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DROUGHT RESISTANT PLANTS

"From over the world to
the world over"



CATALOGUE NO. 6

KNICKERBOCKER

CACTI and SUCCULENT GARDENS

6065 BROADWAY
(Market St. Extension)

UNITED STATES OF AMERICA
INDUSTRY AGRICULTURE

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*U.S. Dept. Agr.
Bureau Plant Industry*

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M. E. N.

FOREWORD

Read Carefully

These prices are F.O.B. San Diego, Calif. Heavy packages will be sent Express Collect, light ones by mail, in which case postage may be sent upon receipt of plants. This is to insure that I shall not be niggardly in the size of the plants I send you. This does not mean that I'll give you a \$1 plant for 15c, but the best 15c one I have. Please mention when ordering that you will send postage on receipt of plants. "S" indicates seedling. R.C. means rooted cut.

I do my very best about plant names, but cannot positively guarantee them as too many of them are still in doubt among the expert botanists.

This catalogue supersedes all former ones, and is not issued yearly.



CACTI FOR THE AMATEUR

By SCOTT E. HASELTON (1938)

What Cacti are and how to grow them. The most popular and valuable book for the beginner. 150 pages and 160 illustrations, including color plate of 110 named Cacti. Paper bound \$1.00. Board bound \$1.50. (Foreign postage 15c).

The thousands of letters of appreciation have led to a second printing within the first year.



SUCCULENTS FOR THE AMATEUR

By BROWNE, WHITE, SLOANE, REYNOLDS

Edited by SCOTT E. HASELTON (1939)

A companion book to aid the beginner in selecting and naming succulents other than cacti. Clear illustrations of 400 plants and introductions to 800 names. 11 color plates. 172 pages. Paper bound \$1.50. Cloth bound \$2.00. (Foreign postage 15c.)

Endorsed by the Cactus and Succulent Society of America. This book is priced at one third of its value so that every Succulent grower may have one.



CACTUS and SUCCULENT JOURNAL

Published monthly by the Cactus and Succulent Society of America. Of interest to amateur and scientist. \$3.00 per year includes membership to Society. Address Box 101, Pasadena, California, or order from me.

THE DESERT PLANT LIFE

A worthwhile monthly magazine devoted to Cacti and Succulents. \$1.50 per year. Address Box 68, Pasadena, California, or order from me.

CULTURAL DIRECTIONS

Ideal Soil Mixture

Mix 1 part sand, 1 part garden soil, 1 part leaf mould, 1 part well rotted manure and screen. To this mixture add 1 tablespoon of air slaked lime and 1 tablespoon of powdered charcoal to a 5-in. pot. The lime should not be used with *Epiphylla* and related genera.

Cacti

Globular forms require a small amount of moisture if grown in pots. It is well to have very coarse sand, gravel or broken stones directly under the plant.

Columnar forms may be planted directly into the soil mixture.

A half cup of water to a 5-in. pot each week is sufficient during the growing season for the larger Cacti. During the cold or dormant season it is well to water very sparingly. *Epiphylla*, either in pots or in the ground, require shade and plenty of moisture. Cactus plants in the ground do best if kept slightly damp during the growing season.

Succulents

Succulents, generally speaking, will stand more water than Cacti and a richer, heavier soil. My plants are field grown and very sturdy. They are not at all like the tender plants grown under glass and can be grown out of doors anywhere in the United States during the frostless season if given good drainage so that the base of the plant is not kept unduly wet. In winter water sparingly.

FERTILIZER

Any good commercial fertilizer may be used, or weak manure water, given at two week intervals during the growing season only, gives good results.

One thing to remember is, that in the limited root space of a pot or bowl, a plant never reaches its maximum size and many plants in one bowl will remain small.

KNICKERBOCKER CACTI and SUCCULENTS

NEFF K. BAKKERS

Catalogue No. 6

Prices subject to change for the following reasons:

Small ones becoming large increase in price.

Those of ready propagation becoming numerous
decrease in price.

Please make checks and money orders payable to:
Neff K. Bakkers

SUCCULENTS

ADROMISCHUS

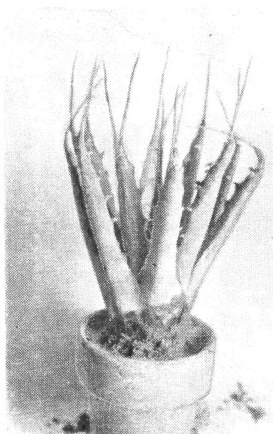
- A. cooperi*. S. Afr. Thick, spotted, brown leaves like plover's eggs 25c
A. cooperi-maculatus hybrid. Gray green purple spotted thick leaves 35c
A. cristatus. S. Afr. Green, downy, crenulate leaves in a pleasing rosette 25c
A. maculatus. A real gem for a pot plant. Purple mottled on a green ground, not common. Small plant 50c

AGAVE

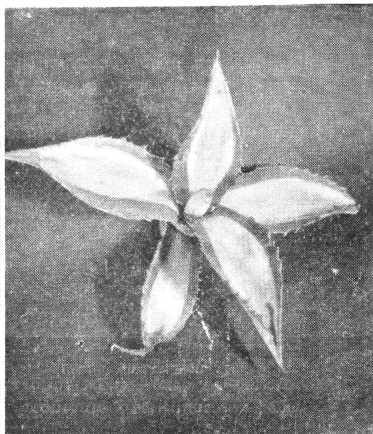
The century plant

Suitable for hillsides and large plantings along with *Aloes*. A few varieties are small and lovely for urns and smaller pots.

- A. americana*. Mexico. Blue gray. Marked like moire silk. In maturity leaves are 6 to 8 ft. long 10c to 25c
 var. *marginata*. Bordered with yellow 25c
 var. *medio picta*. Central yellow band 25c
 var. *variegata*. Variously lined 25c



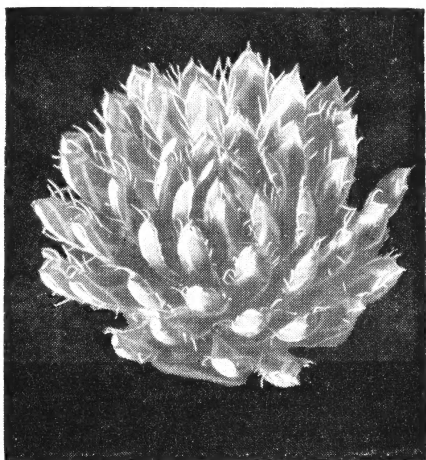
Agave utahensis



Agave americana medio picta

- A. attenuata*. Mexico. Soft green rosettes, unarmed, one of the best 25c, 50c, \$1.00
A. decipiens. Yucatan. Beautiful stately dark green; curved stiff leaves. Suckers should be kept off, 6 to 8 feet tall mature. Stays small in pots 10c to 25c

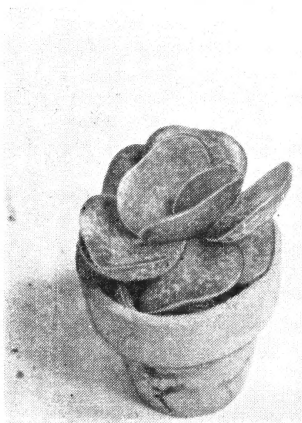
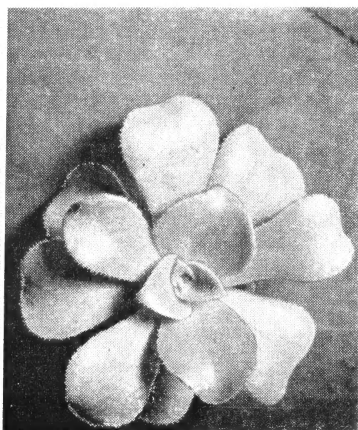
- A. ferdinand-regis* (*A. nickelsiae*). Mexico. One of the small beautiful varieties similar to *victoriae-regina* but differing in fewer leaves and more open rosettes and a triple instead of a single terminal spine 25c to \$1.00
- A. ferox*. Mexico. One of the loveliest with waxy concave outcurved dark green leaves 12 to 48 in. long 25c to \$1.00

*Agave perplexans*

- A. perplexans*. Small and compact. Outcurving threads and marbling of white lines make it a very decorative plant 25c
- A. shawi*. San Diego and Lower Calif. Handsome; dark green, red teeth 50c to \$2.00
- A. utahensis*. Gray blue, beautifully marbled 25c to 50c
- A. victoriae-reginae*. A perfect plant like a piece of carving. Globose; incurved, heavy leaves 8 in. long when mature. Marbled with white 25c to \$1.00

AEONIUM

- A. arborescens*. Green 15c to 25c
- var. *astropurpurea*. Brownish rosettes 15c to 25c
- Crests of *astropurpurea* very handsome. Like cock's comb 50c to \$1.00
- A. decorum*. Rather small rosettes on shrub, turning beautiful color in fall.
- A. haworthi*. Very stiff leaved rosette on small shrub 15c
- A. nobile*. Very rare plant. Makes a large rosette 35c

*Adromischus maculatus**Aeonium nobile*

- A. tabulaeforme*. Leaves inlaid like marquetry. A downy, absolutely flat rosette.....35c to 50c
- A. sedifolium*. Small shiny rosettes in clumps.....15c
- A. tourniforti*. Serrated edges, small rosettes on a shrub.....35c
- A. tortuosum*. Compact little rosettes composed of tiny thick leaves.....15c and 25c
- Aichryson domesticum variegatum*. For those who like variegated plants, a little gem.....35c

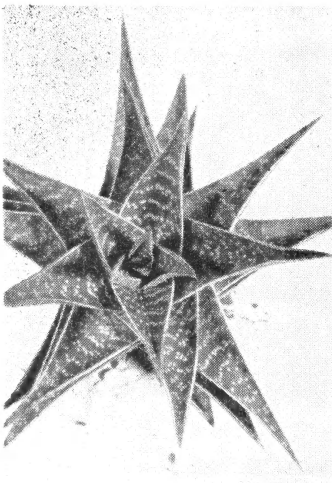
The above are a group of generally large, showy plants consisting of many stalked rosettes. Most of them are native of the Canary Islands.

ALOES

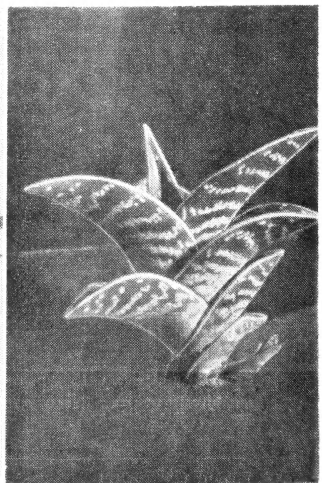
Choice of one each of any 5 marked with asterisk (*) for \$1.00 postpaid. If you care to pay the postage, larger plants will be sent in all collection offers.

Foreword: For canyon hillsides and larger plantings, nothing can exceed the larger *Agaves and Aloes*. *Aloes* are a blaze of color when in bloom. There are *Agaves* and *Aloes* to suit every taste and every requirement. Colors of blossoms range from pale yellow or green to orange and brilliant scarlet.

- A. africana*. Cape. One of the most beautiful. Heavily warted. Handsome glossy flowers.....50c
- A. andringitensis*. Madagascar. Nearly stemless, dark orange-red flowers.....25c
- **A. arborescens*. The Torch or the Red Hot Poker. Forms clumps of enormous size with long spikes of brilliant blooms of orange scarlet, small.....15c
- A. aristata*. Cape of Good Hope. The rarest of small *Aloes*. Very beautiful, like a large *Haworthia*. Closely set white marginal teeth. Slow to offset and never grows large. Has won a prize wherever shown.....35c to \$1
- A. ausana*. Similar to *A. Variegata* but decidedly plumper with more obtuse leaves better and stronger.....25c to \$1.00

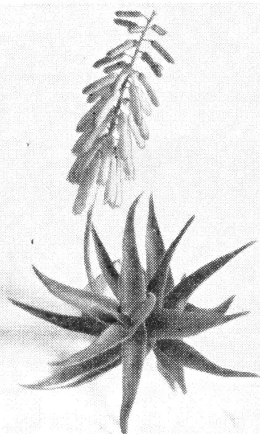


Gasteraloe pethamensis

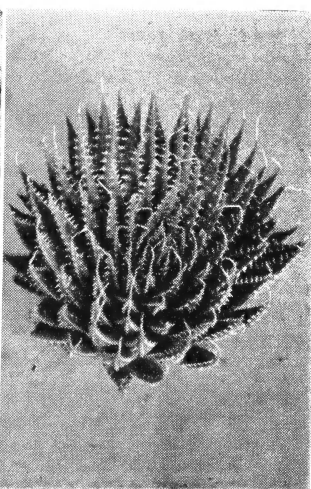


Aloe ausana

<i>A. barbatoniae</i> . Blue green with white spots.....	25c
<i>A. brunnthalerii</i> . Very beautiful blossoms.....	50c
<i>A. cameronii</i> . A very fine shiny leaved <i>Aloe</i> with beautiful blossoms.....	15c to 50c
* <i>A. ciliaris</i> . The climbing <i>Aloe</i> with exquisite green and red Xmas-candle-like blooms.....	15c to 25c

*Aloe ciliaris**Chamaealoe species*

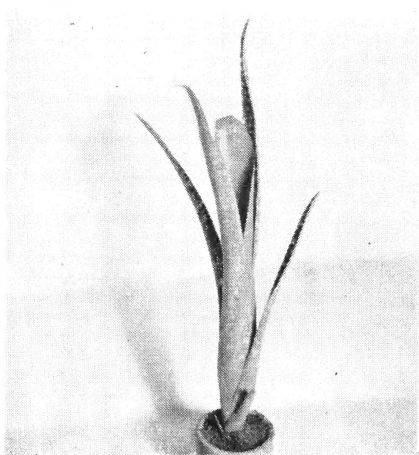
* <i>A. commutata</i> . Large and beautifully marked.....	25c
<i>A. davyana</i> . Spotted—from S. Africa. Rose red flowers.....	25c
<i>A. distans</i> . Cape. Long, procumbent with exquisite corymb of flowers.....	25c and 50c
* <i>A. eru</i> . Tropical Afr. Unique in form and blooms. Flowers dainty, clustered; suitable for bouquets.....	15c and 25c
* <i>A. grandidentata</i> . Cape. Beautifully striped. Young plants look like <i>Gasterias</i> and are suited to bowls.....	10c to 25c
* <i>A. humilis</i> . Cape. Make lovely clumps. Many teeth, grey-green.....	15c
*var. <i>brevifolia</i> . Small enough to put into bowls or small rockeries. Blue-green. Makes big clusters.....	10c
var. <i>echinata</i> . Smallest of all. Looks more like a <i>Haworthia</i> than an <i>Aloe</i> . Blue-green in color, heavily warted, slow to increase. Good bloomer.....	50c
<i>A. longistyla</i> . Sky blue. Heavily toothed; charming red blossoms.....	50c
<i>Aloe marlothi</i> . Strongly tubercled.....	15c

*Aloe marlothi**Aloe Aristata*

- A. mitriformis*. Cape. Lovely; warted. Each leaf has a central line of protuberances distinguishing it from *A. nobilis*. Blossoms like a dainty parasol.....25c to 50c
- **A. nobilis*. Cape. Similar to foregoing but much more prolific and a lighter green.....15c to 35c
- A. praetensis*. Seedlings, one of the best medium size bluish, heavily warted, orange flowers.....15c and 25c
- A. robusta*. Blue green; heavily marginate teeth; lemon and orange blossoms.....25c to 50c
- A. saponaria*15c to 25c
- A. saponaria variegata*. Variegated with yellow stripes.....15c to 25c
- **A. spinosissima*. Beautiful bluish green, long toothed, giving it a feathery look. Contrasting vivid scarlet blooms25c to 50c
- **A. striata*. Cape25c to \$1.00
var. *rhodocinta* (*handburyana*). Large with purple shadings. Many offshoots.....15c to 25c
- A. striatula*. Cape. Resembling *A. ciliaris* in form. Yellow blooms25c
- A. thorncroftii*. Rose colored flowers, Transvaal.....50c
- **A. thraski*. A drooping, different, large growing Aloe \$2.00
- **A. variegata*. Cape of Good Hope. The most popular and unique. Noted for its variety of common names; Parrot, Whip-poor-will, Pheasant's Breast, Tiger Cactus, etc. Everyone should have one. A most beautiful pot plant25c to \$1.00
- **A. vera*. Lovely pastel grey green with satiny smoothness. Pure yellow blooms. An aristocrat.....15c to 25c
- **A. zebrina*. (*baumi*). Tropical Africa.....35c
Chamaealoe hybrid. A new, interesting plant resembling a *Haworthia*.....25c
- Altamiranoa elongata*. Curious Mexican plant looking like elongated clover heads.....25c
- Anacampseros telephiastrum*. S. Afr. Small, succulent plant with thick leaves and lilac fls.....15c to 25c

BROMELIADS

Billbergiae bear blossoms of unique beauty with startling combinations of color.



Billbergia hybrid

- Billbergia nutans*. Brazil. Blossoms vivid green with purple margins rising from a pink sheath.....25c
- B. nutans x pallida*. Lovely leaves of shining brown with gold dots.....50c
- Dyckias* are small pineapple like plants with tall racemes of deep yellow to orange plush flowers.
- Dyckia rariflora*.....15c to 25c
- D. sulphurea*.....15c to 25c
- Guzmania lingulata* var. *cardinalis*. Like a pineapple plant with brownish, green leaves turning a vivid red when ready to bloom. It bears a cluster of orchid, waxen blossoms on a thick, red stalk. Grows in the open to be 3 ft. across. "The Heart of Flame".....25c to 50c

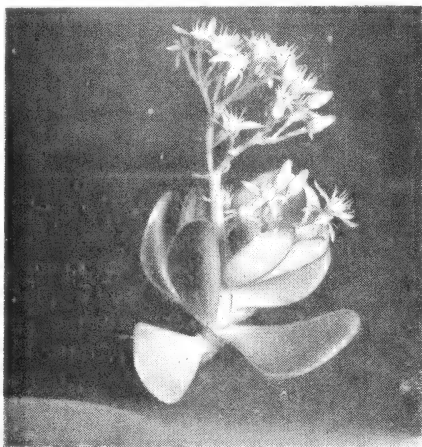
COTYLEDON

- C. Hybrid of papillosa*. Red brown tips unique.....15c
- C. mucronata*. Also known as *undulata* and *coronata* Africa. The loveliest of all. Thick, opalescent, downy leaves with deeply crenulated edges.....50c
- C. orbiculata*. S. Afr. Similar to *barbeyi* but coarse and big beside it bearing, like all of the Cotyledons, a drooping cluster of lovely blooms.....15c to 25c
- var. *barbeyi*. Powdery gray with red margins.....25c
- var. *macrantha*. Green with red edges. Wonderful red blooms at Xmas time. A true Xmas plant.....25c
- var. *oophylla*.. One of the most interesting, with small egg shaped leaves. Page 78 Succulent Book.....35c

CRASSULA

- Choice of any ten of the following marked by an asterisk (*) \$1.00 postpaid.
- **C. arborescens*. Cape. Requires shade. Dull grey with purple margins. Slow propagator. Matte finish.....25c
- C. brevisetosa*. Downy spike, white flowers.....15c
- C. cooperi*. Dainty, small with delicate pink blooms.....15c
- **C. cordata*. Small leaves; a vine well suited to hanging baskets; fairy-like pink blooms.....10c
- **C. corymbulosa (collinberi)*. Leaves pointed, thick; in rosettes that turn beautifully red in the sun and bear a spike of pretty pink posies.....15c to 25c
- C. dejecta*. Low growing, powder gray.....25c
- **C. elata*. A good plant for hanging baskets and to plant in rocks. Pyramidal growth, but drooping. Fragrant flowers.....15c
- **C. falcata*. One of the best. Blue grey matte surface; unique in shape. Brilliant orange-scarlet clusters of flowers.....25c up
- C. imperialis*. Thick, compact, many stems, attractive.....15c
- C. longifolia*. Blossom almost identical to that of *C. falcata* but plant grows to be 4 ft. tall.....35c to 50c
- **C. lycopodiodes*. Common. Kept boxed and trimmed makes a fine border.....10c
- C. justii corderoyi*. Pink flowers, heavy glaucous leaves.....35c
- **C. multicava*. Good for hanging baskets but too prolific for a garden.....10c
- **C. obvallata*. Rosette of basal leaves, elongated stalk of flowers.....25c
- C. orbicularis*. Downy green leaves with protruding stems bearing plantlets.....15c
- C. perforata*. Unique, like square buttons on a string.....15c
- C. rubricaulis*. Green with red-brown edges.....15c
- C. Rupestris (C. monticola)*. Pink flowered.....15c
- **C. sarmentosa*. Shiny green leaves. Pendant. Good for hanging baskets.....15c

- C. schmidtii*. (*Impressa, rubicunda*). Blooms all summer; a dainty, little thing for rockeries. Clusters of tiny, deeply rose colored flowers. Charming.....15c to 25c
- **C. spatulata*. Partly creeping with delicate flowers; suitable for hanging baskets.....15c
- **C. tetragona*. Cuttings in bowls resemble trees. Easily rooted. Brittle.....10c
- **C. portulacaeae*. Commonly called *aborescenarbs*. Suitable for narrow parkings. Shining thick bronzed leaves. Pink blooms.....15c to 50c
- Allied plant: *Rochea coccinea*. Lovely red blooms.....25c



Crassula portulacaeae

DUDLEYA

Close Relatives of
ECHEVERIA and COTYLEDONS

- D. brittoni*. The lovely, pure, white, powdery Dudleya from Lower California.....25c to 75c



Dudleya brittoni in a bed of
Othonna crassifolia

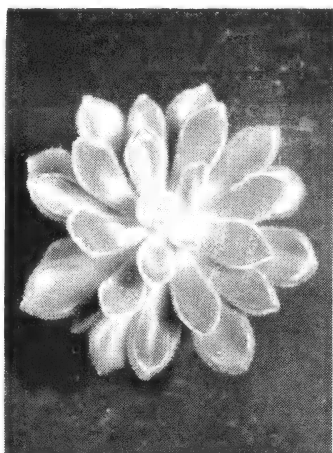
- D. caespitosa*. Native of California. Grey leaves with purple tips.....25c
- D. candida*. Rare, from Coronado Islands. Pure white. Beautiful.....50c to 75c

- D. farinosa*. Grey; red brown tips. Powdery. An exquisite pot plant from Carmel, Calif. 15c to 25c
- D. lanceolata*. Native of S. Calif. Attractive, iridescent leaves and red flowers 25c
- Allied plants: *Stylophyllum edule*. San Diego, Calif. Unusual looking pencil like leaves 15c
- Stylophyllum orcutti*. Smaller than the above with greyish, powdery leaves. Attractive 25c

ECHEVERIA

One of each of any 8 marked with asterisk (*) \$1.00 post-paid U. S. A. Large ones if you pay the postage.

- E. crenulata*. (*rosea-grandis*). One of the largest and most beautiful. Curving leaves with bright red margins 35c to \$1.00
- E. crispa*. Similar to *E. crenulata* but grows larger 20c to \$1.00
- E. cuspidata*. Perfect rosettes, waxen with red borders and tips. Excellent 35c to \$1.00
- E. derenbergi*. Pale green, thick leaves with orange colored fls. Very attractive, small 15c
- E. Doris-Taylor*. Very lovely new downy hybrid of *E. setosa* 25c and 35c



Echeveria hybrid
Doris Taylor



Echeveria cuspidata

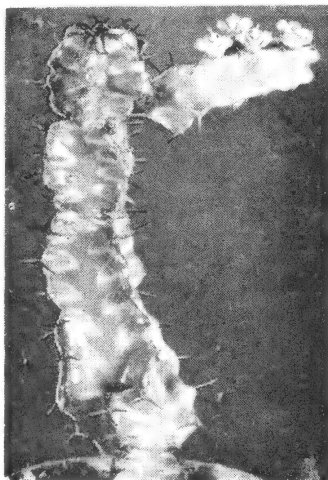
- **E. elegans*. Pale bluish green, translucent as if made of wax with pink waxen blossoms 15c to 35c
- **E. funcki*. (*australis*). Flat; grey-green matte-finish rosettes 15c
- **E. gibbiflora*
var. *flammea*. Highly colored with lovely blooms lasting 4 months 15c to 50c
- E. gilva*. Formerly wrongly known as *simulans*. In form like a water lily. Yellow green leaves with red tips. Lovely 15c to 25c
- E. globosa*. Small, blue 10c
- **E. harmsi*. (*Oliveranthus elegans*). Flowers lovely, gold lined, scarlet bells 15c to 25c
- E. harmsi hybrid*. Free bloomer, downy leaves 25c
- E. hoveyi*. One of the most lovely with long, grey, green leaves and pinkish variegations, Shade loving 15c to 50c
- E. imbricata*. (so called). Enormous in size, beautifully colored iridescent hues. Very waxy leaves 35c to 75c
- E. leucotricha*. A distinct Echeveria with a remarkable pubescence. Scarlet blossoms 30c to 50c
- **E. linguafolia*. Thick, fleshy, pale leaves. Flowers cream colored. Individual 15c

- **E. multicaulis*. A charming little Echeveria. Shining leaves that turn red in the fall.....15c to 25c
E. nivalis. Gray blue with rosy tips.....35c
E. nodulosa. A shrubby plant. Leaves striped with purple. Unlike any of the others.....25c
E. orpeti. Very handsome red hybrid.....35c
E. palmeri. Like a piece of sculpture. Blue, full flowering.....15c to 50c
E. pittieri. Yellow-green, red tipped, tall growing.....25c
E. pubescens (*pringlei*, *mexicana*). Downy; lovely scarlet blooms.....15c
 var. *recurvata*. (*pringlei* var. *tortuosa*.) Attractive curling leaves.....25c
E. pulvinata (*villosa*). Very similar to *leucotricha* but has red bordered leaves.....35c to 50c
 **E. secunda-glauca*. The common hen and chickens. The true imbricata.....10c
 **E. setosa*. Dense globular rosette. Green leaves and orange flowers both entirely covered with bristles. A perfect pot plant.....15c to 50c
E. set-oliver. Interesting hybrid of *E. setosa*.....15c
 **E. stolonifera*. Spreading light green.....10c
E. sub-rigida. Dense mat, bluish green tinged with purple or bright red. Exceedingly fine.....15c to 35c
E. weingarti. Deep green, shining, handsome, small var.....25c
 **E. elegans* x *weinbergi*.....10c

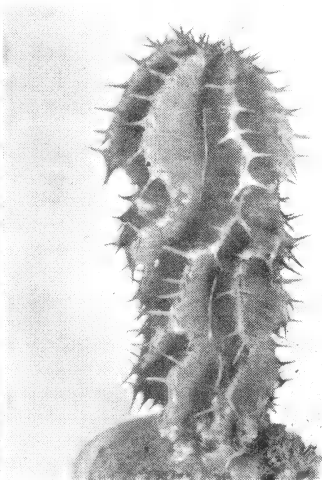
EUPHORBIA

Euphorbias are to the African what the *Cacti* are to the American Desert, and are often mistaken for cacti by travelers.

E. abyssinica\$1.50 up



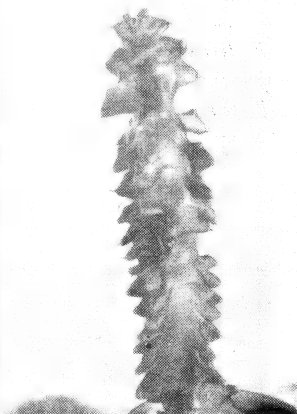
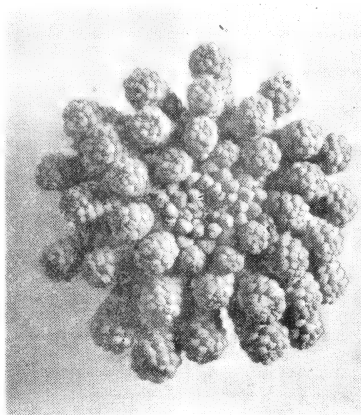
Euphorbia pseudocactus



Euphorbia abyssinica

- E. alcornis*. Flat deeply cut green stems. Grows very, very tall.....35c to \$1.00
E. antiquorum.....50c up
E. bubalina.....35c
E. canariensis. Canary Islands. Four angled; bronze green.....25c to \$1.00
E. caput-medusae major. Similar to the following but much larger. Beautiful heads of flowers.....25c to \$1.00
E. caput-medusae minor. One of the most interesting pot plants. Many snaky stems from a round central head.....25c to \$1.00

var. <i>commelini</i> . Cape region	25c to \$1.00
var. <i>muirii</i>	50c
var. <i>procumbens</i>	\$1.00



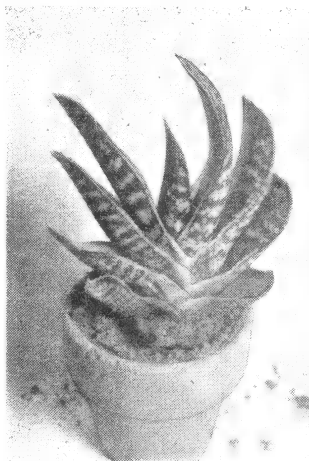
Euphorbia caput-medusae commelini *Euphorbia amak monstrosa*

- **E. cerciformis*. Cape region. Many ribbed 15c to 50c
- E. coerulescens*. S. Africa. 4 to 6-angled bordered with tooth-like spines. Two to three inches thick..... 50c to \$3.00
- E. echinus* 25c to \$1.00
- E. frankiana* 25c
- E. globosa*. Peculiar pendant growth 25c up
- E. grandicornis*. S. Africa. Probably the most striking of all the growing *Euphorbiae*. Looks more like a Cactus than many of the Cacti..... 35c to \$5.00
- **E. grandidens*. S. Africa. Slender, with many marginal spines on a deeply dentate margin. Makes a shrub of great interest..... 25c to \$5.00
- E. hermentiana*. Used by natives of W. Africa as totem poles, for building hedges and poisoning arrows. Marbled, angled, branched \$1.00 up
- E. horrida* \$1.00 up
- E. ingens monstrosa*..... 50c to \$1.00
- E. lactea*. East Indies. Three angled with marbled white markings..... 25c up
- Good crests..... \$1.00 up
- E. lemaireana*. Quercly angled, like *grandicornis*, but more delicately cut and marbled..... 50c
- **E. mammillaris*. Cape region. Called the "Corn Cob," which it resembles..... 15c to 25c
- E. meloformis*. Cape region. Dark green, globular with depressed centers. One of the three globular forms. 1½ in. to 3 in..... 50c to \$1.00
- E. nerifolia*. India. Shrubby. Grows to 6 or 7 ft., 8 to 10 in. in diam. Heavily horned stem with large leaves 50c up
- E. nerifolia monstrosa variegata*. Very rare. Grafted..... 2.00
- E. obesa*. S. Afr. Globular, marked like a piece of gingham and very fascinating. 1 in. to 1½ in. 75c to \$1.25
- E. ornithopus*. The bird foot. Cylindrical straggling joints 30c
- E. pfesdorffi*. Africa. Attractive miniature plant with red spines and many heads..... 25c to 75c
- E. pseudocactus*. Profusely marbled with white sharply angled ribs 25c up
- E. resinifera*. S. W. Morocco. 4-angled, many branches, yielded the Euphorbia Gum of the Ancients..... 25s to \$2.00
- E. schimperi* 15c to 25c

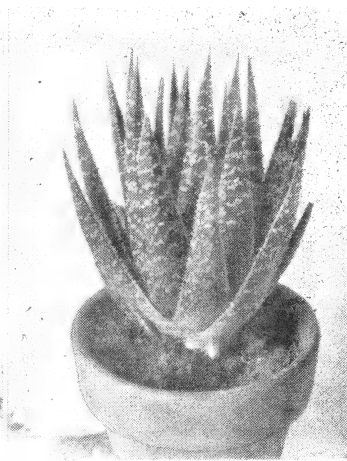
- E. similis (natalensis)*. Natal. Looks like a large *Cereus*.
.....\$1.00 to \$10.00
- **E. splendens*. Madagascar. "Crown of Thorns." A lovely
pot plant with red flowers almost continual. Can be
twisted and trained into many forms25c to \$2.50
- E. tetragona*. Rooted cuts50c
- **E. tirucauli*. S. Asia15c
- E. trigonus*35c
- **E. xylophyllodes*. Madagascar. Interesting, fine. Flat,
thick, 1/2-in. wide, leaf-like branches35c and 50c
- Allied species—*Monadenium lugardi*50c

GASTERALOE

Gasteraloes are hybrids of *Gasterias* and *Aloes*. Usually marked like the *Gasterias* and formed in rosettes like most of the *Aloes*.



Gasteria latifolia



Gasteraloe Beguinii

- G. beguini*. Dark green, heavily warted. Looks like a
Haworthia but larger and very good15c to \$1.00
- G. mortolensis*. Smooth, mottled, light green, heavy
leaves25c up
- G. pethamensis*. A dark, beautifully mottled plant
.....15c to \$1.00

GASTERIA

Gasterias are charming, generally two ranked plants.

The leaves are commonly green mottled with white.

Africa. They are unless otherwise stated25c to 50c

- G. acinacifolia*
G. carinata
G. dicta. Very *cespitose*
G. excelsis. New offering, sage green, flat purple mottled 50c
G. latifolia
G. maculata. Beautifully mottled glaucous variety
becoming pink in the sun
G. nitens. Similar to *maculata* but leaves longer
and thinner
G. obscura
G. punctata
G. spiralis. Grows to a very large size for this
genus
G. stayneri. Flat topped, leathery dark green leaves.
Rare.75c

- G. sulcata*. A large variety with very smooth leaves and decidedly different from the other *Gasterias*.
G. verrucosa. One of the finest. Strictly two ranked. Heavily warted.

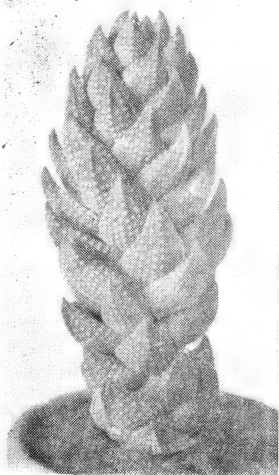
- Graptopetalum amethystinum*. Mexico. Like most of them in this genus, but more beautifully colored. Lilac rose 35c to \$1.00
G. pachyphyllum. One of the smallest; purplish leaves 50c
G. paraguayense (*Echeveria weinbergi*). "Ghost plant." Pinkish-bluish opalescent. Very beautiful and easily propagated, hence cheap 10c to 25c
Grnovia dodrentalis (*gracile*). Charming plant like a perfect little rose 25c

HAWORTHIA

One of each of any 5 marked with asterisks (*) post-paid, \$1.00.

Haworthias are small, clustered plants, the leaves usually green and windowed or covered with small white dots and suitable for pots. Africa. Do very well in the house.

- H. attenuata*. Very warted, tightly cupped leaves. Grows in full sun in Africa on rocky ground 35c
 var. *clariperla*. Very beautiful; dark green heavily warted 35c
H. atrovirens. One of the smallest *H.* Dark green, compact 15c
 **H. chalwini*. Similar to *reinwardtii* in growth. Darker green and much rarer 25c to \$1.00



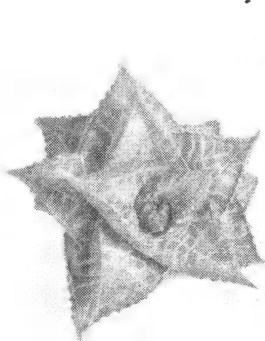
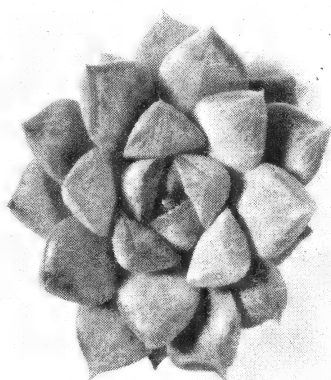
Haworthia chalwini



Haworthia truncata

- **H. coarctata*. Slender and faintly warted; red in sun. Dark green in shade 25c
 **H. cymbiformis*. Window Plant. Very light green; translucent and caespitose 10c to 25c
H. cuspidata. Similar to the above but grows larger and more tightly cupped 35c
H. fasciata var. *caespitosa*. Very striking with warts in distinct bands. One of the best 50c to \$1.00
H. glabrata concolor. A very fine, dignified, upstanding *Haworthia* 35c
H. lactevirens. Translucent, pointed leaves 25c
H. margaritifera. Very good. Leathery; heavily warted; dark 15c to 50c
 var. *granata*. Much heavier pearls and rarer plant. Grows on coast in Africa in full sun. Handsome \$1.00

<i>H. metallica</i> . One of the rare ones. Darkly iridescent with fine dots	50c to \$1.00
<i>H. minima</i> . Very small; dark green compact	25c
<i>H. pilifera</i> . One of the real window <i>Haworthias</i>	35c
<i>H. planifolia</i>	25c
* <i>H. radula</i> . Crowded with tiny tubercles on both sides of leaves	25c and 35c
<i>H. reticulata</i> . A large interesting translucent type. Off-sets	\$1.00
<i>H. retusa</i> . "The Fairy's Table." Translucent window sets	\$1.00
<i>H. reinwardtii</i> Type. Unusually beautiful, verrucose	35c to \$1.00
* <i>H. rigida</i> . Concave, rather wrinkled leaves. Very erect	35c
<i>H. schmidtiana</i> . Dark, leathery, unusual	50c to \$1.00
<i>H. setata</i> . Translucent, fringy, extra fine	25c
<i>H. skinneri</i>	50c
<i>H. tessellata</i> . Thick, nicely lined leaves. Beautiful shape, dark and glabrous	25c

*Haworthia tessellata**Haworthia cymbiformis*

var. <i>engleri</i> . The varieties differ very slightly	25c
var. <i>parva recurva</i>	25c
<i>H. tortuosa pseudo rigida</i> . Warty, erect, green	15c to 50c
* <i>H. turgida</i> . A very smooth flat rosette window plant	50c
Allied plant: <i>Apicra pentagona</i> . Smooth, light green, very rigid leaves	25c
<i>Jatropha berlandieri</i> . Texas. Distinctive plant with an above ground tuber; deeply cut leaves and scarlet flowers. Deciduous in winter	50c to \$1.00
<i>J. podagrica</i> . From Panama. Most unique	35c

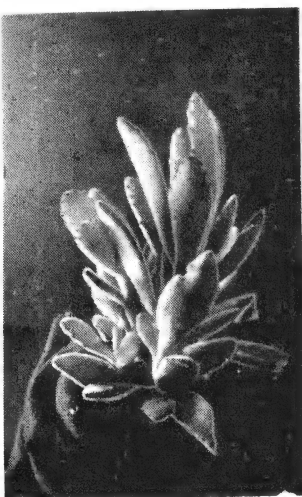
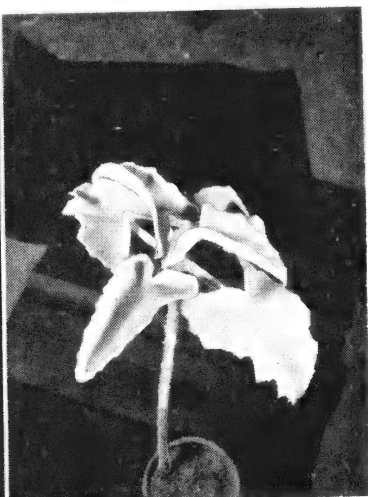
KALANCHOE and BRYOPHYLLUM

Only a slight difference between the two in the juxtaposition of the filaments and the corolla tubes.

One of each of any 8 marked with an asterisk (*) \$1.00 postpaid.

**B. aliciae*. Downy leaves with lovely red blossoms 15c to 25c

**K. beharensis*. Long erroneously known as *Kitchingia mandrakensis*. Handsome striking plants covered with bristles.

*Kalanchoe pilosa**Kalanchoe beharensis*

- * *B. daigremontana*. Madagascar. A curious plant with deeply serrated, mottled leaves; flowers interesting 15c to \$1.00
- * *B. tubiflora* x *daigremontana*. Dr. Houghton's hybrid. very good 15c to 25c
- K. dyerii*. Beautiful crimson fls. 25c to 35c
- * *K. foedtschenkoi*. Violet tinted leaves, very charming flowers, delicate salmon. A very lovely thing. Keep in the sun 15c to 25c
- K. flammea*. Tropical Afr. Downy green leaves; red fls. 50c
- * *K. longiflora* (formerly wrongly called *somaliensis*.) Heavy dentate leaves shaded with rose. A nice plant with pure yellow fls. 15c to 25c
- * *K. marmorata*. Abyssinia. Curious, large with large purple spots in great profusion 15c to 25c
- K. orgyalis*. Soft, brown, pubescent leaves; yellow upright fls. 50c to \$1.00
- * *K. pilosa*. Handsome, downy, gray spotted brown margins 15c to 25c
- * *B. pinnatum* (*calycium*). Tropical Afr. The common sprouting leaf. Prolific with long tubular flowers. 15c
- B. scandens*. Dark purplish-green leaves, climber with maltese colored flowers 25c
- K. thyrsiflora*. Looks like an Echeveria. Large gray red tipped leaves covered with powder. Blossoms creamy in large stalk. Handsome 25c to 50c
- B. tubiflora*. Very prolific, hence cheap but very queer and with lovely blooms. A bed of them is a fine sight. "Hollywood Palm" 10c to 25c
- K. uniflora*. Hanging basket plant. Very unique 35c
- K. welwitschi*. Beautiful, plum colored leaves. Burnt orange, upright fls. 35c

KLEINIA

- * *K. articulata*. S. Afr. A blue candle plant with pretty leaves sprouting from the top 15c
- K. fulgens*. Natal. Bright red fls. on a gray-blue plant 25c to 50c
- * *K. mandraliscae*. S. Afr. Larger than *repens* but otherwise similar. Very blue leaves 15c
- K. (notonia) pendula*. A closely allied plant with red flowers and thick, dark, green stem striped with purple. The "Inch Worm" 35c

- **K. radicans*. S. Afr. Creeping, with thick, short leaves. Striped with purple; fragrant flowers; good for hanging baskets 15c
- **K. repens*. S. Afr. The smallest of the blue, tubular leaved *Kleinias* 15c
- K. stapeliaformis*. S. Afr. One of the best *Kleinias*. Clear emerald green stems marbled with white. Flower a tuft of bright red on a long stem. Beautiful 25c
- K. tomentosa*. S. Afr. Rare, pure white 25c to 50c

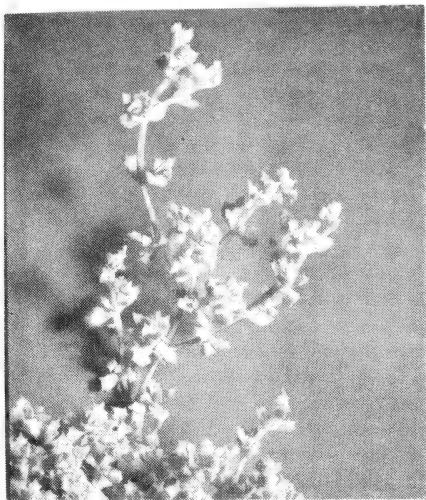


Kleinia tomentosa
The Ghost Plant

MESEMBRIANTHEMA

- The following, unless otherwise marked, are 2 for 25c.
- Aptenia cordifolia*. Old fashioned variety.. From Africa. Small, thick, green leaves; tiny magenta fls. Used for many years in hanging baskets.
- Capobrotus edule*. Yellow flowers. Large, coarse plants for cliffs or ground cover.
- C. aequalaterale*. Coarse plant with lilac pink flowers.
- Cephalophyllum alstonii*. Dense tufts of erect, grey, finger-like leaves. Cherry red flowers; one of the most beautiful of *Mesem.* flowers 15c to 35c
- C. anemoniflorum*. Creeping with one of the finest fls. of apricot with white center.
- C. spongiosum*. Four in. rose pink fl. with a 2-in. golden center 35c to \$1.00
- Corpuscularia lehmanni*. Velvety green plants, beautiful cream colored fls.
- Delosperma echinata*. Warty translucent, crystalline foliage.
- Drosanthemum speciosum*. One of the most beautiful of shrubby types. Burnt orange flower with black center.
- D. species*. A mound of green dotted with yellow fls.
- Hymenocyclus herrei*. Fast growing; old gold fls.; heavy bloomer.
- H. purpureo-croceus*. The most constant bloomer and best for holding soil to hillsides. Burnt orange blossoms; reverse side magenta.
- Mesembrianthemum aureum*. Flowers light orange.
- M. aureum (improved)*. Calendula like orange flowers. erect shrubby plant.
- M. blandum*. Flowers 2 to 3 in. Pure white, later turning to rose.
- M. brownii*. Small leaved, large, spreading. Flowers, size of dime; burnt orange turning to rose.
- M. glaucum*. Very erect with lemon colored blooms.
- M. ecklonis*. 1/2 in. white, fragrant fls.; creeping.

M. muricatum (*deltoides cristatum*). Low form, gray green; lavender blossoms. Perfect in rock gardens.



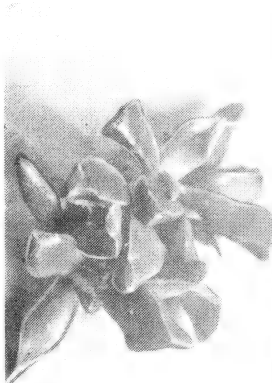
Mesembrianthemum muricatum

- M. repens*. White petals, yellow center.
M. schicki. Hybrid of *Delosperma echinata* and *Glottiphyllum linguiforme*.
M. tenuifolium. Large, winter blooming, free flowering. Deep vivid purple.
M. uncinatum. Erect, slender leaves; delicate thin rayed lavender blossoms, size of a dime.
Ruschia crassa. Delicately beautiful, white fls. with curling, narrow rays. Fairylike, fragrant.
R. steingroeveri (*piscodorum*). Smells like fish.

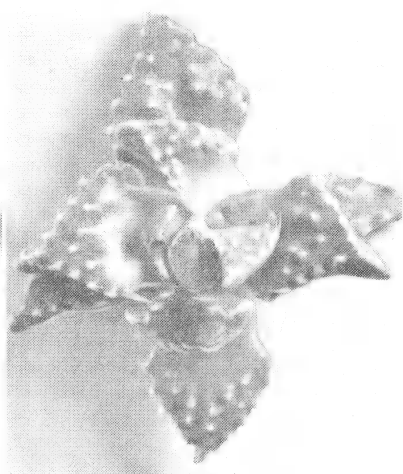
MESEMBRIANTHEMA

Stemless or Non-Shrubby Types

- Acrodon bellidiflorus*. Beautiful blossoms like a bellis daisy. Hence its name.....15c to 25c
Argyroderma schlacteri. Leaves silver-grey; flowers yellow pink to white. Very rare. One of the mimicry plants. Grows in grey-green quartz35c to 50c
Bergeranthus vespertinus. Low with green, pointed leaves; yellow flowers, orange reverse15c
Cheirodopsis cherri-bella.....35c



*Rhomboideum
rhombophyllum*



Faucaria tuberculata

<i>Faucarias</i> are queer shaped rosettes. Commonly called "Tiger Jaws." Charming. Any.....	25c
<i>Faucaria acutifolia</i> .	
<i>F. albidens</i> . Smooth green, white margins.	
<i>F. arribidae</i> .	
<i>F. boscheana</i> .	
<i>F. carinata</i> .	
<i>F. craddockensis</i> .	
<i>F. felina</i> . Very green.	
<i>F. longifolia</i> .	
<i>F. lupina</i> . The wolf. Very long teeth.	
<i>F. pulcrutacea</i> .	
<i>F. rynfeldiae</i> .	
<i>superba</i> . Greyish with white spots. Beautiful.	
<i>F. tigrina</i> . Green. Neat rosettes edged with long teeth.	
<i>F. tuberculosa</i> . Heavily warted. The most beautiful of <i>faucarias</i> .	
<i>F. vanadensis</i> .	
<i>Fenestraria rhopalophylla</i> . "Babytoes." One of the most interesting of window plants. White blooms with Yellow centers	50c
<i>Gibbaeum beathi</i> . Formerly <i>Rimaria beathi</i> . Whitish green with white flowers, most unusual. Single 35c;	
<i>Glottiphyllum depressum</i> . <i>Glottiphyllums</i> are large leaved, thick and juicy with large, yellow flowers	15c
<i>G. linguiforme</i> . Curved, flat leaves very dark green	15c
<i>G. neli</i> . Best one	25c
<i>Herranthus berrei</i> . Peculiar gray green sculpture with fine flowers	50c
<i>Hiercroa dolabriformis</i> . Peculiarly shaped, unusually interesting	25c
<i>H. odorata</i> . Small plants suitable for bowls because of queer shape. Night blooming, sweet scented. 15c and 25c	
<i>H. stanleyi</i> . Low green plants with scimitar - shaped leaves; yellow flowers	15c
<i>Lithops</i> are the peculiarly formed and beautifully marked little stone faces. Look like anything but a plant. These are all 3 to 5 year old blooming-size plants.	
<i>L. fullerii</i> . One of the most beautiful	50c
<i>L. lesleii</i> . Living stones	25c
<i>L. mundtii</i> . Round heads	35c
<i>L. olivacea</i> . Olive green	50c
<i>L. opalina</i> . Opalescent translucent	50c
<i>L. pseudotruncatella</i> . Reddish	50c
3 unnamed <i>Lithops</i> . Larger sizes	\$ 1.00
<i>Pleispilos</i> are queer stone faced plants with thick angular leaves.	
<i>P. bolusi</i> . One of the best of stone faces	15c to 50c
<i>P. magnipunctata</i> . Strange plant; yellow blossoms tipped with orange	25c
<i>P. neli</i> . Tricolor flower shading from white, through yellow to coppery apricot	15c to 50c
<i>P. simulans</i> . Flat surfaced, grotesque, bizarre	15c to 50c
<i>Rhomboideum rhombophyllum</i> . Dark green truncated leaves; very flat yellow flowers	15c
<i>Stomatium fullerii</i> . Charming plant, toothed leaves. Fringy yellow blossoms	15c

OTHER SUCCULENTS

<i>Othonna crassifolia</i> . Creeping, interesting plant with fat, short leaves like elongated beads. Yellow flowers small daisy	15c
<i>O. carnifolia</i> . Similar to above with more ordinary leaves.....	15c
<i>Pachyphytum brevifolium</i> . Pink hues. Exquisite	25c to 50c
<i>P. compactum</i> . Mexico. Small futuristic rosettes with blue and grey markings. An interesting plant.....	15c to 25c
<i>P. bookeri</i> . Many pink flowers.....	25c

- P. oviferrum*. Beautiful bluish pearl. Thick leaves 35c to 50c
- P. clevelandi* (*Echeveria nobilis*). Full sun to bring out its lovely, purplish colors. Medium size and very prolific 15c to 35c
- P. Mrs. Scannavino*. As beautiful as Mother of Pearl 35c
- P. schiedeckeri*. Very blue 15c to 25c
- P. virens*. Thick green fingers, unusual flower 25c and 50c
- Pedilanthus bracteatus*. Lost to civilization for 130 years, tall growing cylindrical 25c to 50c
- P. macrocarpus*. Grey green. Lower Calif. Conspicuous red fruits 25c
- P. tithymaloides*. Thin green stems, red flowers 25c
- P. grandiflorus variegata*. Handsome house plant 25c
- Portulacaria afra*. Food for elephants in Africa. A beautiful shrub with thick, small, shining leaves on a dark red stem 15c up
- P. afra variegata*. Beautiful pink and yellow variegations 25c

SANSEVERIA

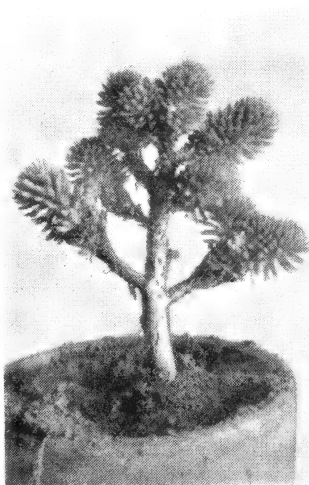
- S. aethiopica*. Wide green leaves with red edges. Very beautiful 50c to \$1.00
- S. cylindrica*. An unusual plant with mottled, tubular pointed, stiff leaves in two ranks up to 2 ft. in length. Small plants 35c
- S. guineensis*. Striped leaves 25c
- S. laurenti*. A yellow margined variety of *trifasciata* 25c to 50c
- S. para* 25c
- S. schmidtii*. Very pale delicate form, difficult to grow \$1.00
- S. spicata*. Rosette form 25c
- S. trifasciata* (*zeylanica*). The Leopard Plant. Suitable for pots. Long, thick, mottled leaves 15c up

SEDUM

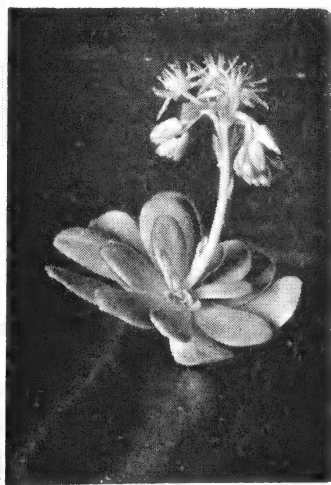
The price of these plants is 10c unless otherwise stated
Ten for \$1.00 postpaid.

"H" means hardy to frost.

- S. adolphi*. Golden yellow, conspicuous.
- S. album*. Green, creeping. H.
- S. allantoides*. Pail blue, round leaves 15c
- S. altissimum*. Blue, 8-in.
- S. compressum* (*Palmeri*). Tall. *Echeveria*-like rosette.

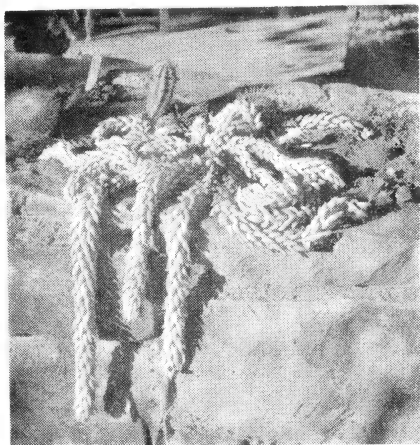


Sedum multiceps



Sedum compressum

- S. confusum*. Green rosettes, yellow flowers.
S. dasyphyllum. Blue green clumps, tiny leaves.
S. divergens. Rocky Mountain *sedum*. H.
S. griseum. Grey, green fine leaves from Oaxaca, Mex. 15c
S. guatamalense. Green turning to red in sun. Very attractive.
S. lineare variegatum. H.
S. lydium. Small vivid green. H.
S. mexicanum. Yellow green.
S. moranense. Tiny, thick, reddish leaves.
S. morganianum. The donkey tail *sedum*, blue, grows very long. Mex. 25c, 50c and \$1.00



Sedum morganianum
 The burros tail

- S. multiceps*. Like a little pine tree. Perfect in bowls 15c to 25c
S. pachyphyllum. Pale hands, pink tipped.
S. potosini (anglicum). Mexico.
S. prealtum.
S. prealtum cristatum.
S. stabli. Called baked beans from the resemblance of the leaves.
S. treleasei. Beautiful blue.
S. winkleri. From Spain. Perfect rosettes in clusters.

SEMPERVIVUM

Sempervivums are very interesting small plants suitable to rock work. They are native to the mountains of Europe and very hardy to cold. In California they prefer shade. Single rosettes unless otherwise stated 10c

- S. arachnoideum*. Cobweb or spiderweb house leek. Very small rosette entirely overlaid with small, white hairs. Flowers bright red.
 var. *laggeri*. Similar, but rosettes much larger. Flower bright rose.
S. calcaratum. Large. Purple colored. Iridescent. Very fine 50c
S. calcareum. Very greenish with decided red tips. A very good one 15c
S. royanum. Yellowish green with red tips. A startling variety 35c
S. silverine. 6 in. Light green to silvery grey 25c

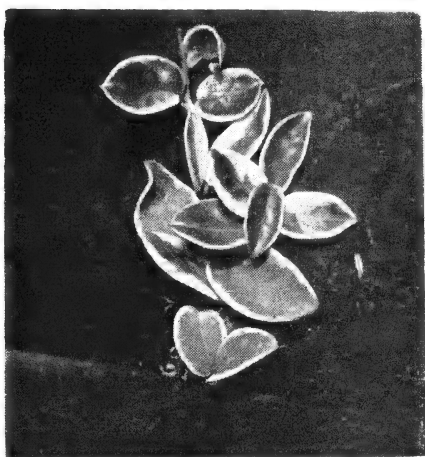
STAPELIAE and ALLIED AESCLEPIADS

CEROPEGIA

- C. barkleyi*. A lovely little vine with pointed, mottled leaves 15c to 25c
C. coffrorum. Larger than *C. woodi*. Much less common 25c
C. debilis. A weak, trailing affair getting everywhere and going nowhere 25c
C. stapeliaformis. S. Afr. Unique fls. 25c to 50c
C. woodi. The Rosary Vine. Natal 15c to 25c

HOYA

- H. carnosa*. S. China to Australia. "The Wax Plant." Beautiful pink clusters of blossoms of the texture of plush, like Edelweis, on a dark green, thick leaved vine. Very good house plant..... 50c to \$2.00
H. carnosa variegata. Variegated pink and yellow \$1.00

Variegated *Hoya carnosa*

HUERNIA

Huernias are little brothers of the *Stapelias* and very interesting.

- H. barbata*. The bearded *Huernia*, fls. yellow, spotted purple beard..... 25c
H. hystrix. The porcupine. Yellow bloom with red spots; spinelike, red tipped papillae 25c
H. insigniflora. Striking cushioned *Huernia* with rose petals 35c
H. penzigi Bloom outside dirty white and red inside..... 25c
H. pondi. "The Cockle Burr" 35c
H. schneideriana. Deep purple cup..... 25c
H. thureti. Short four-angled stems, flowers pale green with brown dots..... 25c
Piaranthus foetidus. Flowers dull yellow with red markings. Smell to Heaven..... 15c

STAPELIA

Eight varieties, my choice, postpaid, \$1.00.

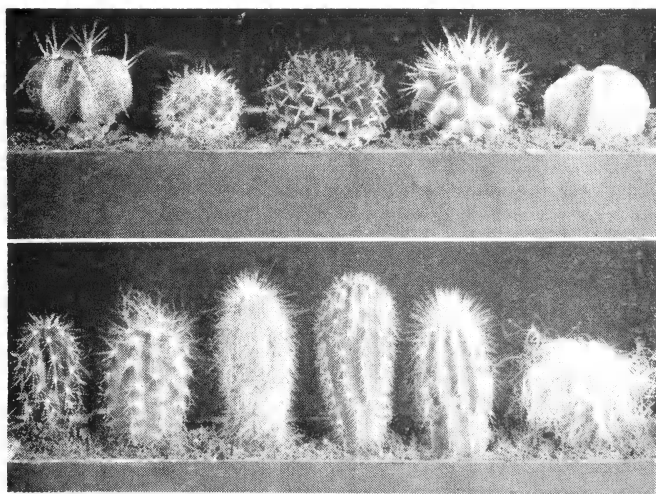
- S. angulata*. An attractive *Orbea* hybrid with red, variegated petals and wellow, variegated center 10c
S. arnotti. Clear red, wine tips, blackish long hairs 25c to 50c
S. bicolor. Dark brown with few bright yellow spots. Stems two colored..... 10c
S. bufonia 15c
S. carolli-schmidtii. Variegata variety 10c

<i>S. deflexa.</i>	Dark red with center corona, self colored hairs	25c
<i>S. desmetiana.</i>	Long white haired edges, greenish or reddish ground	15c to 35c
<i>S. gettleffi.</i>	Similar to <i>birsuta</i> but blooms larger	25c
<i>S. gigantea.</i>	Dull green, pale purple, hairy, marked with transverse crimson lines. Blossoms 14 in. across	25c to 50c
<i>S. grandiflora</i>	.....	50c
<i>S. hirsuta.</i>	Ground red, margin white, petals hairy white	10c to 35c
<i>S. lanata (nigricans)</i>	.....	15c
<i>S. leendertzi</i>	.....	50c
<i>S. lucilla</i>	.....	35c
<i>S. maculosoides (mermelis).</i>	Has a very pronounced pattern	10c
<i>S. multiflora</i>	.....	25c
<i>S. nobilis.</i>	Large dark red	35c
<i>S. peglerae.</i>	Conspicuous for glabrous 4 to 5 in. stems and shiny inner corolla surface of its flowers	25c
<i>S. puchella.</i>	The little beauty. Sulphurous yellow with brown spots	25c
<i>S. schbinzi.</i>	Unusual n shape. Long pointed leaves, dark red	50c
<i>S. variegata.</i>	Commonest of all; yellow with small spots	10c
<i>S. verrucosa.</i>	Very small yellow blooms with tiny brown dots. Very different from the above	10c to 25c
<i>Urbinia agavoides.</i>	Hard glassy leaves with sharp brown points. Fls. bright orange tipped with yellow	35c to 50c
<i>U. purpusii.</i>	Small rosette of dark green leaves marked with small brown spots and brown line down center. Very attractive	35c to 50c

CACTI

Please make checks and money orders payable to:
Neff K. Bakkers.

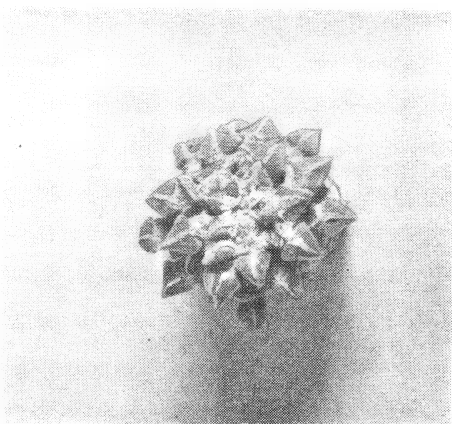
Seedlings of rare foreign cacti, one inch up, 8 for \$1.00;
15 for \$1.50; or 32 for \$3.00.



Foreign Cacti Seedlings

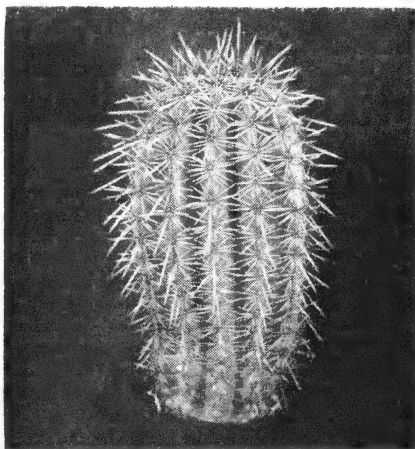
<i>Acanthocereus pentagonus.</i>	Fla., Tex., Mex., Venezuela. Triangular, procumbent; night bloomer	25c to \$1.00
<i>A. subinermis.</i>	7 inch. Oaxaca, Mexico. Flower 8 in. Outer petals reddish, inner white	\$1.00
<i>Ancistrocactus scheeri.</i>	Texas. Small subercled plants. Yellow spines, some hooked	35c

- Aporocactus conzatti*. Oaxaca, Mexico. Creeping tails covered with brown bristles. Flower brick red. Grafted plants50c to \$1.00
- A. flagelliformis*. Rat Tail.. Long slender, pendant stem covered with short spines and magenta flowers. A good house plant. Grafted.....50c to \$1.00
- A. flagriformis*. Oaxaca, Mexico. Erect at first, then creeping, much branched. Flowers dark crimson. Grafted plants50c to \$1.00
- A. leptophis*. Mexico. Strongly ribbed slender tails with bristly spines. Graft50c to \$1.00
- A. martianus* hybrid of *Helio*, *speciosum*, rooted cut.....50c
- Ariocarpus fissuratus*. Texas. The Living Rock. Looks more like an amphibian than a plant25c to 35c
- A. kotschoubeyanus*. Mexico\$1.00



Ariocarpus kotschoubeyanus

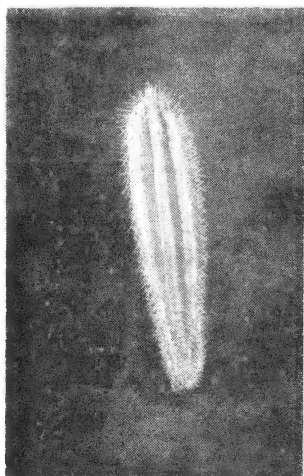
- A. retusus*. 3 in.\$2.00
- A. scapharostrus*. 2 in.\$2.00
- A. trigonus*. 3 in.\$2.00
- Astrophytum asterias*. Texas, Mexico. "The Sea Urchin." Small, flat, distinctive. Requires strictly limy soil35c to \$1.00
- In cultivation does better on a graft. Grafted plants.....\$1.00
- A. capricorne*. Long, curling spines. Mexico. 3 year seedlings50c
- A. capricorne* var. *aureum*. Center of straw colored spines. 3 year seedlings.....50c
- A. capricorne* var. *senilis*. 4 in.\$2.00 up
- A. myriostigma*. Mexico. The celebrated "Bishop's Cap." Covered with myriads of small tufts of white wool25c, 50c, \$1.00 and \$2.00
- A. myriostigma* var. *coahuilensis*. 3 year seedlings.....50c
- A. myriostigma* var. *columnaris*. 4 in.\$2.00
- A. myriostigma* var. *quadrangulatus*. 4 sided true "Bishops Cap", 3 year old seedling50c
- A. ornatum*. Mexico. Ornate yellow spines; many tufts of wool. Seedlings 35c to 50c. Good sized plants, \$1 to \$2
- var. *glabrescens*. 2 to 5 in.\$1.00, \$1.25, \$1.50, \$2.00
- var. *mirbelli*. 2 to 6 in.\$1.00, \$1.50, \$2.50
- Aztekium ritteri*. Rare\$2.00
- Brittonia davisi*. Tubercled ribbed barrel from Texas with slender, long, yellow, hooked spines.....50c up
- Carnegiea gigantea*. The Arizona giant\$1.00 up



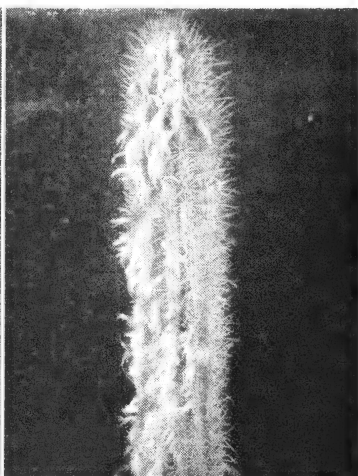
Carnegiea gigantea
The Giant Saguaro

CEPHALOCEREUS

The *Cephalocereus* are usually tall plants with long hairs or wool on them.



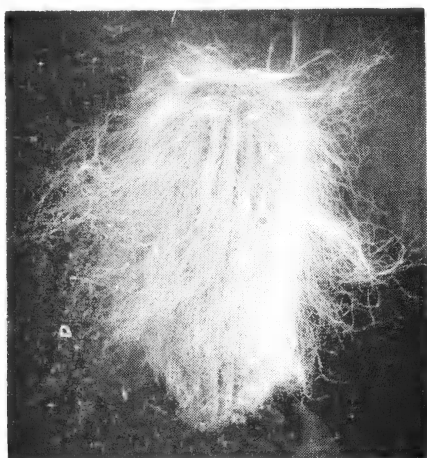
Seedling of
Cephalocereus palmeri



Cephalocereus purpusii

- C. leucocephalus (alensis)*. The queerest of the queer. Heavy white beard on one side only. The old goat. Comes from Alamos, Mexico.
18" rooted cuts\$ 5.00
- C. chrysacanthus*. Mexico. Golden yellow spines, dense masses of white hair. 8 to 10" imported plants\$2.00
8" seedlings 50c
- C. dybowskii*. Similar to *Espositoa lanata* with protruding fine yellow spines. 6" up\$1.00 up
- C. boppensiedtii*. Mexico. Slender, columnar, 20 or more ribs, white spines, striking\$2.00
- C. nobilis*. West Indies. Rooted cuts 50c
- C. palmeri*. Mexico. One of the very good ones. Seedlings; 8 to 10", 50c; imported plant.....\$2.00

- C. phaeacanthus*. Brazil. Slender, low ribbed.....\$3.50
C. polylophus. Mexico. 15 to 18 ribs. Bearing white felt but no wool. Yellow spines, good...50c, \$1.00 and \$3.00
C. purpusi. Seldom offered for sale. Collected at Mazatlan. Patches of white wool in dense old gold spines. 9 to 10", \$3.00; 16 to 18",\$5.00
C. senilis. Mexico. "The Old Man." Beautiful, long hair. 2 in., 25c; 5 in., 75c; 7 in., \$1.50; 9 in., \$2.00; 11 in., \$3.00; 16 in., \$5.00; 20 in., \$7.50.

*Cephalocereus senilis*

CEREUS

The *Cerei* in general are tall columnar plants having large, white, nocturnal flowers.

- C. coerulescens (aethiops)*. Argentina and Brazil. Of an unusual purple shade with black spines; slow grower25c to \$2.00
C. formosus var. *monstrosus*. A curious plant covered with knobs rather than ribs25c to \$2.00
C. peruvianus hybrids and what have you. The usual conglomeration. Per foot up to 4 ft.35c
 Plants over 4 ft. per foot50c
 S.15c
Cereus peruvianus monstrosus. Another knobby plant.25c, 50c, \$1.00 up
Chamaecereus sylvestri. "Peanut Cactus." Always remains small, hence very suitable for bowls. Free bloomer, orange red. Likes a little shade. Argentina.....15c to 25c
Cleistocactus baumanni. Argentina. Curious and interesting with green-tipped red fls. that look like little candles15c to 25c
C. buchtienii. Slender *Cereus* from Bolivia. Good sized branching plants75c
C. smaragdiflorus. Slender stems with green tipped red flowersgrafted \$1.00
C. straussi. Peru. Slender *Cereus* covered with white wool-like spines. Fls. tubular, red. Hardy.....15c to \$2.50
Cochemias are Lower California plants with elongated heads and brilliant, red, tubular fls.
C. maritima. Lower Calif. Brown hooked spines; dark...\$1.00
C. poselgeri. S. Lower Calif.; straw colored spines; scarlet fls.\$1.00
C. setispina. White hooked spines. One of the rarest of plants and splendid\$1.00 to \$3.00
Corryocactus melanotrichus. Bolivia. Slender, columnar, branching. Red fls.75c up

- Corpybantba clava*. Mexico. Brown-gray, appressed spines 50c
C. erecta. Mexico. Clusters; free flowering; yellow
 fls. 25c to \$1.50
C. recurvata, 50c; clumps to \$2.50.
Dolichothele longimamma. Mexico. Seedlings 25c; import-
 ed plants \$1.00
D. sphaerica. Texas. "The Nipple Cactus." Large,
 lemon-colored fls. 50c
D. uberiformis. Mexico \$1.00
Echinocactus electracanthus 50c to \$1.00
E. grusoni. Mexico. The beautiful "Golden Ball" which
 will grow larger than a bushel basket 15c to \$10.00
E. ingens. Mexico. Yellow Fls. 35c to \$1.00
E. horizontbalonius. Texas. Rots easily. Must be planted
 in rubble so no wet earth surrounds the base 15c to 50c

ECHINOCEREUS

The *Echinocerei* are small plants that usually form clusters and have very beautiful blooms.

- E. albispina*. Recently discovered variety from Oklahoma
 with short white spines and frilly rose blossoms 25c to 50c
E. berlandieri. Texas. Similar to *E. blancki* with slen-
 derer stems. Very free bloomer 25c to \$1.00
E. bonkeri. Nice brown and white spines. Clusters 50c
E. castanea. Mexico \$1.00
E. chloranthus. Texas. Green fls. 15c to 35c
E. dasyacanthus. Texas Rainbow. Large yellow flow-
 ers 15c to 50c
E. delaeti. Coahuila. 2½ in. white, hair-like spines with
 a few reddish bristles. Fls. pink. Resembles a small
C. senilis. Own roots plants 75c
E. de la Paila. Mexico \$1.00
E. enneacanthus. Texas. Loosely clustered; reddish purple
 2 in fls. Good clusters 50c
E. erbenbergi. Mexico. Fine purplish blooms. Setaceous
 spines 25c to 50c
E. ferrerae. Lower Calif. Beautiful, large, pink, flowers 50c
E. fitchi. Texas. Brownish, pectinate spines 25c
E. flavispinus. Mexico \$1.00
E. knippelianus. Mexico. "Elephant's Skin." 5 to 7 ribs;
 dark green, wrinkled. Unusual pink fls. Grafted.
 Good size 50c to \$1.00
E. longispina. Oklahoma. Fine long dense yellow spines,
 large rose blossoms 25c to 50c
E. lutea. Rare Sonoran species. Similar in appearance to
E. knippelianus. Yellow bloom 75c to \$1.00
E. maritimus. Yellow flowered. From Baja California.
 Imported clumps \$1.00
E. rigidissimus. Beautiful Arizona Rainbow 50c to \$1.00
E. salm-dyckianus. Mexico \$1.00
E. sarissiphorus. N. E. Mexico. Very fine; purplish
 fls. 35c to 50c
E. stoloniferus. Comparatively new species described in
 our Vol. 9, No. 10, Cactus and Succulent Journal.
 Alamos, Sonora, Mexico 75c to \$1.00
E. stramineus. Texas. "Strawberry Cactus." Purple
 fls. 25c to 50c

ECHINOPSIS

Plants characterized by prominent ribs and very large, long-necked fls. of singular beauty.

- E. ancistrophora* 50c
E. bridgesii. Caespitose, spiny. Bolivia 25c

<i>E. calachlora</i> . Brazil. Distinctly different from its fellows by its vivid yellow-green color and more appressed and tuberculate ribs. Fls. white. Extremely slow growing	25c to 75c; Graft \$1.00
<i>E. cyresi</i> . Brazil. Fls. white; spines unusually short; free bloomer	15c to \$1.00
<i>E. buottii</i> . Slender dull green, large white flowers. (S. Am.)	35c to 50c
<i>E. mammosa</i> . Bolivia. Fls. white	25c to 50c
<i>E. multiplex</i> . Brazil. Beautiful pink fls. on green globes with long, yellow spines	15c to \$1.00
<i>E. nuda</i> c	25c to 50
<i>E. obrepanda (mysleyi)</i> . Bluish green, white or purplish fls.	50c
<i>E. polyanctra</i> . 2½ in. Fine form.	25c to 50c
<i>E. tephrantha</i> . Pale, ruffled, double pink, deep pink stripes, fragrant	35c
<i>E. hybrid</i> . Fine plants, 5 in.	35c

EPIPHYLLUM (Phyllocactus) (Orchid Cacti)

The *Epiphylla* well deserve the name of "Flowering Cacti." They have some of the most beautiful flowers in the Cactus family and they are admirable house plants.

Epiphylla are 35c for rooted cuts and \$1.50 for good-sized plants, unless otherwise priced.

Epiphyllum Ackermanii. Early, free flowering, bright red. Plant

E. A. D. Houghton. Eight inch flowers, flame bordered violet.

E. Adonis. Delicate rose. Rooted Cut 35c; Plant \$2.00

E. Agathe. Strong pink, crimson center. Reliable bloomer.

E. Amber Queen. Large copper.

E. Antwerpia. Large salmon pink. Petals ruffled.

..... Rooted Cut 35c; Plant \$2.00

E. Argus. Salmon pink with scarlet center. Vigorous.

E. Bohemienne. Three toned salmon, lighter center. Wavy petals.

E. Camillo Schneider. Burnt orange copper with large magenta center, green eye.

E. Conway's Giant. Beautiful large red flower with purple throat.

E. Crenatum. Large fragrant, long lasting fls. Vigorous

E. Dante. Bronze bud opening red with crise center. Vigorous.

E. Eden. Large flowers, outer petals bronze, next yellow, inner petals white.

E. Fiesta. Opening wide, orange petals bordered with purple.

E. Flamingo. Burnt orange, shaded with magenta.

E. Garnet. Lasting deep red. Compact plant.

E. Gloria. Copper. One of the largest and best. Plant, \$2.00

E. Hermosissimus. Brilliant red with violet borders. Popular, large, showy.

E. Joseph de Lact. Tri-toned orchid, medium sized, frilled. Striking shape and color.

E. Lady Irene. Delicate flesh pink, scented. Unusual.

E. Latona. Rose red, glowing, large. Should be in every collection.

E. Madame Sallier. Light flesh pink, central darker stripe.

E. Manfred von Richtbofen. Orchid pink, frilled. Recent importation.

E. Marsellaise. Red violet center, back petals red, stamens white.

E. Mauvette. Near lavender, crepy texture.

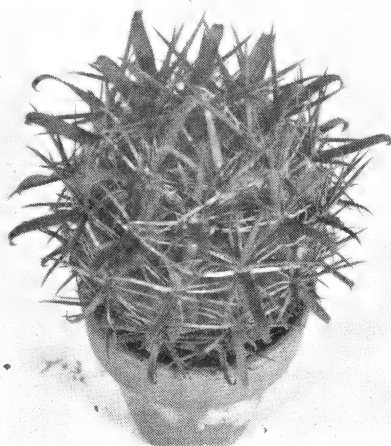
E. Mon Cherie. Spectacular buff-orange beautifully penciled with red.

E. Montezuma. Cup and saucer. Tannish copper, violet shading.

- E. Moonrise.* Outer petals amber, main petals white, yellow tipped. Free flowering over a long period.
- E. M. Reviere.* Flashily red and orange with a violet carmine border—and orange central stripe.
- E. Oberst P. Man Kurich.* Unusually narrow petals giving a spidery or star-like appearance. Outer petals maroon, next bronzy salmon, innermost solid violet.
- E. Oriole.* Extreme sized yellow cup. Yellow brown tinged shading through cream to white.
- E. Orion.* Beautiful tannish to cherry red. Wide open.
- E. Padre.* One of the best and most popular pinks.
- E. Paul de Longpre.* 9 inch nearest to yellow. Excellent shape.
- E. Peacockii.* Full petaled scarlet shading to red violet. Brilliantly luminous and iridescent.
- E. Pfau.* Outer petals chamois, inner pinkish magenta. Large and fine.
- E. Pink Pearl.* Small flower, rose to light pink with violet shading. Exquisite.
- E. Phyllanthoides Grandiflorus.* Large, showy, brilliant. Nearest to violet of any. R.C. 50c; Plant \$2.00
- E. Pink charm.* Soft pink, darker edges, white center stripe.
- E. Prof. Ebert.* Recent origination. Violet carmine flower. Very clear.
- E. Rosetta.* Deep rose shaped like a rose bud. Compact basket type.
- E. Rotkappchen.* Red Riding Hood. Dark red, crimson throat.
- E. Scarlet Giant.* Orange scarlet shading to carmine in center. Vigorous free bloomer. Desirable.
- E. Scheherazade.* Reliable clear pink. Long lasting, deepening in color.
- E. Sunburst.* Terra cotta red, vivid violet eye. Showy.
- E. Sun Goddess.* Molten gold with violet and vermilion throat. Extremely large flower. Plant \$2.00
- E. Tulip.* Exceptionally broad, brilliant satiny petals.
- E. Viviana.* Long lasting, bright red deepening to crimson. Plant \$1.00
- E. William de Laet.* Intensely dark shining red, deep violet purple trumpet center. Unusual. R.C. 50c; plant \$2.00
- Epithelanthus micromeris.* Texas. 'The Button Cactus' Charming, pure white, little buttons with pink fls. followed by red fruit. One of the smallest 25c
- Espositoa lanata.* Ecuador. The most beautiful of hairy cereus. Completely covered with white wool with a few stiff, yellow spines. Comes from the high Andes 50c to \$2.00
- E. sericata.* Similar to lanata. Probably a form of it grafted \$1.00

FEROCACTUS

- F. acanthodes.* "The California Fire Ball." All sizes 25c to \$1.00
- F. alamosanus.* Sonora. Very rare \$1.00 to \$3.00
- F. coloratus.* Lower Calif. Most beautiful of all the *Ferocacti.* Dark red, broad spines \$1.00 and \$2.00

*Ferocactus coloratis*

- F. covelli*. Arizona, heavily spined, interesting...50c to \$1.50
- F. crassihamatus* (*Thelocactus mathssoni*). Flowers early50c to \$1.00
- F. echidne*\$1.00
- F. fordii*. Lower Calif. Fls. handsome purple or rose purple. A fine plant.....50c to \$1.00
- F. Gracilis*. Lower Calif. Red spines with a few of the radials white. Fl. petals red with yellow margins. Very fine50c to \$1.00
- F. latispinus*. (*E. corniger*). A very symmetrical plant. Spines red, short and flattened. Flowers pink or white to purple.....50c to \$1.00
- F. melocactiformis* (*electracanthus*). Mexico. The spreading amber spines make a very showy plant...50c to \$1.00
- F. pfeifferi*. Nice plants.....\$1.00 to \$2.00
- F. robustus*. A clumping *Ferocactus* from southern Mexico35c to \$1.00
- F. wislizeni*. Ariz.....50c to \$1.00
- Gymnocalycium andreae*25c
- G. denudatum*50c
- G. mihanovichi*. Paraguay. Small globular, depressed; plant definitely light and dark banded. Fls. green...35c
- G. saglione*. Lovely plants50c
- Hamatocactus setispinus*. The Texas Twisted-Rib. A most exclusive child with no near relations. One of the most persistent bloomers. Flowers lemon yellow with red centers.....15c to 50c
- Heliocereus speciosus*. Mexico. Beautiful *Epiphyllum*-like fls. with purple throat.....35c to \$1.00
- Homalocephalus texensis*. The Texas Devil's Head. Resembles *E. horizonthalonius*, but is much easier to grow. Lovely delicate blossoms, like strawberry ice cream in color.....25c and 50c
- Hylocereus ocamponis*. Glaucous, 3 angled stem with a gold stripe on the ribs. Large, white, nocturnal flowers50c
- H. undatus*. Night bloomers with many golden stamens. 14 in. flowers. The famous night blooming *cereus* of Honolulu25c to \$1.00
- Lamaireocereus benecki*. Mexico. "The Silver Tip." Beautiful gray-blue. New growth covered with white pulverulence with contrasting black spines. \$100, flowering size\$2.00
- L. chende*. Tehuacan, Mexico. Low, much branched.25c to \$1.00

<i>L. chichipe.</i> Mexico. Tree-like. 9 to 12 ribs. Grayish spines. Small yellowish green flowers. Very showy as a small plant	25c to \$1.00
<i>L. dumortieri.</i> Mexico. Very striking columnar plant. Yellow spines	35c to \$1.00
<i>L. pruinosus.</i> New growth blue. Fine.	\$1.00 up
<i>L. queretaroensis.</i> Mexico. Ribs 6 to 8, stout, light green covered with a grayish bloom. Large wooly areoles. Spines at first red, gray in age	50c to \$1.00
<i>L. stellatus.</i> Mexico. Blue-green; branching from base; flowers red, near top of plant; fruit red	50c to \$1.00
<i>L. thurberi.</i> Ariz. and Mexico. Scarce. Has deciduous fruit. Green; many ribs; brown to black spines; white to light purple fls. about 2 in. across. Plants	\$1.50 to \$3.00
<i>Leuchtenbergia principis.</i> 3 year seedlings	50c

LOBIVIA

Medium sized, globular Cacti sometimes forming large clusters and with a wide variation in the brighter fls. From central S. America. A fine genus. Can be had grafted or own roots.

<i>L. allegraiana</i>	30c to \$1.00
<i>L. atrovirens</i>	35c to \$1.00
<i>L. aurea.</i> Argentina. Globular to cylindric; green, grey-black spines, yellow fls.	35c to \$1.00
<i>L. backebergii.</i> Distinctive plant. Easy to grow, fls. blue carmine	40c to \$1.00
<i>L. binghamiana.</i> Green; tuberculate ribs, black tipped spines, red orange fls.	50c to \$1.00
<i>L. boliviensis.</i> Vigorous growing plant with strong straight spines	\$1.00
<i>L. caespitosa.</i> Fls. yellow and red	35c to \$1.00
<i>L. chrysantha.</i> Fls. gold yellow	\$1.00
<i>L. corbula</i> Fls. red orange	40c to \$1.00
<i>L. euanantha</i>	50c
<i>L. grandiflora.</i> Argentina. Yellow spines, pink fls.	75c
<i>L. hertrichiana.</i> Free flowering, red	40c
<i>L. bossei</i>	75c
<i>L. huascha</i> (<i>Trichocereus</i>). Red flowers	50c to 75c
<i>L. incaica.</i> Fls. fire red	35c
<i>L. jojoiana.</i> Fls. tomato red, most beautiful	\$1.00
<i>L. leucorhodon.</i> Fls. lilac rose	\$1.00
<i>L. longispina.</i> Black hooked spines	60c to \$1.00
<i>L. marsonieri</i>	50c
<i>L. mistiense</i>	50c to \$1.00
<i>L. nealeana.</i> Grafted, fls. fiery red	35c to \$1.00
<i>L. pseudocachensis.</i> Free flowering, fls. flame red	35c to \$1.00
<i>L. pseudocachensis</i> car. <i>cinnabarina</i> . Fls. red	75c
<i>L. rubescens.</i> Vigorous plant, black spines	60c to \$1.00
<i>Lophocereus schottii.</i> Ariz. and Mexico. A wonderful and much prized <i>Cereus</i> almost extinct in the U. S. except in cultivation. 10 to 12" seedlings, no bristles	\$1.00
Mature spined rooted cuts	\$2.50 per ft.
<i>Lophocereus schottii.</i> var. <i>monstrosus</i> . Peculiar knobby, smooth textured. Very unique. 3 in. to 3 ft.	50c to \$10.00
<i>Lophophora williamsi.</i> Texas and Mexico. The famous Peyote or Mescal Button. More has been written about this plant than any other in the Cactus world. Interesting and easy of culture	15c to 5c
<i>Machaerocereus eruca.</i> Lower Calif. "Creeping Devil." Looks like large, prickly caterpillar	\$1.00 to \$2.50
<i>M. gummosus.</i> Lower Calif. A heavily spined, sprawly to erect plant with wide open white to lavender, scented fls. Flowering branches 3 to 4 in. diameter.	\$1.00 up

Malacocarpus erinaceus. A South American species.

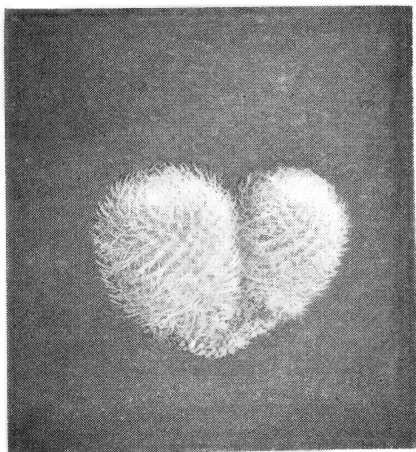
Blooming size 50c to \$1.00

M. voorwerkianus 50c

MAMMILLARIA

Some of the most interesting and varied plants are to be found among the *Mammillaras*. They have spines of many colors and textures and wreaths of charming fls.

- M. acanthophlegma*. Seedlings 25c to 50c
- M. albescens*. Similar to *N. decipiens* with longer and gray-white spines. Mexico S. 50c
- M. baxteriana*. Lower Calif. Milky globular. White spines; yellow fls. \$1.00
- M. bocasana*. Mexico. Woolly with brownish hooked spines. Beautiful 25c and 50c
- M. calacantha*. Mexico. Globular with yellow and brown deflexed spines. Fls. red. Outstanding S. 25c to 50c
- M. campotricha*. Mexico. Depressed globose; slender tubercles, yellow curling spines. A very unusual, tangled looking species 25c to \$1.00
- M. candida*. Seedlings 25c
- M. celsiana* \$1.00
- M. chapinensis*. Imported from Guatemala \$1.00 to \$2.00
- M. compressa*. Central Mexico. Forms dens eclusters. Has milky juice. Light red fls. 25c to \$2.00
- M. decipienss*. Mexico. Inconspicuous but pretty; with pale fls. S. 25c to \$1.00
- M. dioica*. Dark, fishhooked Mam. Native to San Diego. Fl. petals creamy white with red midrib 15c to 50c
- M. durispina*. Crimson fls. S. 25c to 50c
- M. eichlami*. Imported from Guatemala \$2.00
- M. elongata*. Mexico. "Golden Lace Cactus." Golden yellow, soft, interlaced spines. Clusters 15c to 35c
- M. elongata* var. *stella aurata* 15c to 35c
- M. fasciculata* 25c
- M. ferra rubra*. S. 25c
- M. fischeri* (Pfeiffer). Same as *karwinskiana* (Martius).
..... 25c to \$1.00
- M. formosa* \$1.00
- M. fragilis* 15c
- M. geminispina* 50c, \$1.00
- M. gummifera*. Chihuahua, Mex. \$1.00
- M. hahniana*. The old lady of Mexico. One of the most beautiful plants. S. 25c, 50c Pl. \$1.00
- M. hamilton boytae* 25c to \$1.00
- M. Hoffmanniana* 50c
- M. Johnstonii*. Sonora \$1.00
- M. karwinskiana* 25c to \$1.00
- M. kelleriana*. New discovery 25c to 50c
- M. lindsayi*. Chihuahua, Mex. Discovered 1939 by Geo. Lindsay and Dr. Craig. S. 25c; Imported Plants \$1 to \$2
- M. longicoma*. 2½ in. 25c to 35c
- M. magnimamma* 25c to \$1.00
- M. mainae*. Sonora, Mexico \$1.00
- M. martinezi* \$1.00
- M. mendeliana* 25c to \$1.00
- M. mystax* S. 25c; 4 in. \$1.00
- M. accidentalis* S. 25c
- M. ochoterenai*. Seedlings 35c Mature \$1.00
- M. olivera*. Arizona 25c
- M. parkinsoni*. S. 25c Mature \$1.00 up
- M. perbella* 25c to \$1.00
- M. phitauiana*. Described in Vol. II, Pg. 471, Cactus Journal; Lower Calif.; white spines with brown tips; fls. white striped with red \$1.00
- M. plumosa* 35c to \$1.00
- M. polythele* S. 35c; Large \$1.00
- M. praeli*. Imported from Guatamala. \$1.00; Clumps to \$5.00

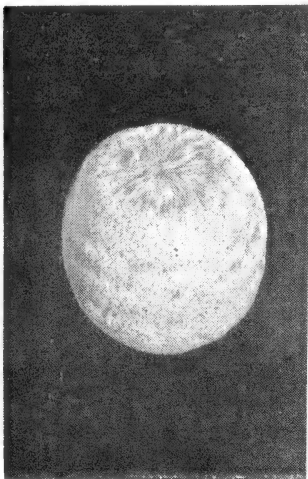
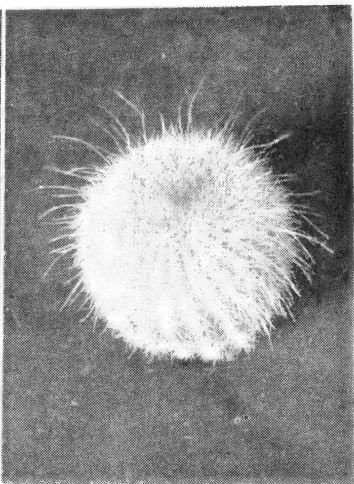
*Mammillaria pringlei*

<i>M. pringlei</i>	.....	\$1.00
<i>M. prolifera</i> . West Indies	.....	\$1.00
<i>M. psuedo-crustigera</i>	.....	50c
<i>M. pygmaea</i>	.....	S. 25c
<i>M. rhodantha</i>	.....	\$1.00
<i>M. ruesti</i> . Imported from Guatamala	.....	\$1.00
<i>M. schiediana</i> . S.	.....	35c
<i>M. sempervivi</i> . 1½ to 3 in.	.....	35c to \$1.00
<i>M. sheldonii</i> . Sonora, Mex.	.....	\$1.00
<i>M. sonoriensis</i> . Discovered 1940	.....	\$1.00
<i>M. sphacelata</i> . S.	.....	25c
<i>M. standleyi</i>	.....	\$1.00
<i>M. swinglei</i>	.....	\$1.00
<i>M. tarajaensis</i>	.....	35c
<i>M. uncinata</i>	.....	\$1.00
<i>M. vanpelli</i>	..... S. 25c; 3 in.	\$1.00
<i>M. viperina</i> Grafted	.....	\$1.00
<i>M. wagneriana</i>	.....	75c
<i>M. walthoni</i>	.....	50c
<i>M. winteriana</i> . 3½ in.	.....	\$1.00
<i>M. woburnensis</i> . 1½ in. clump	.....	25c
<i>M. woodsi</i>	..... S. 25c; 3 in.	\$1.00
<i>Melocactus maronie</i> . Plants imported from Guatamala.		
Rare	.....	\$5.00
<i>Monvillea spegazzinii</i> . S. Amer. Beautiful, slender, purple-green stems mottled with cream. White flowers	.....	35c

NOTOCACTUS

Globular to cylindric plants with fine flowers and usually highly colored spines.

<i>N. apricus</i> (<i>Tabularis</i> , <i>Depressus</i>)	.....	25c to \$1.00
<i>N. baselbergi</i> . Brazil. Globular; hidden by creamy, setaceous spines. Fls. red	.....	50c to 75c
<i>N. leninghausi</i> . Brazil. Beautiful old gold spines. Fls. yellow. Good size grafted	.....	\$1.00 to \$1.50
3 year seedlings	.....	50c

*Epithelantha micromeris**Notocactus leninghausi*

- N. ottonis* 50c
N. scopa. Brazil. A most beautiful plant with slender white and red spines. Brown, fuzzy buttons at apex of plant turn into wonderful, yellow fls. S. 35c
N. submammulosus. S. Amer. 35c to \$1.00
Nyctocereus serpentinus. Tall columns, slender, growing to tops of houses. 50 white, very fragrant blooms
N. dejecta variegata. Unusual variegated form. Per cus 25c

NOPALEA

Nopaleas are *Platyopuntia* type plants but the flowers never open wide and the stamens and pistil are exerted.

- N. auberi*. Smooth, spineless; free blooming; per cut 25c
N. brittoni. Mexico. Dully mottled, thick stems. Per cut 15c
N. cochenillifera variegata. Per cut 15c
N. dejecta variegata. Unusual variegated form. Per cut 25c

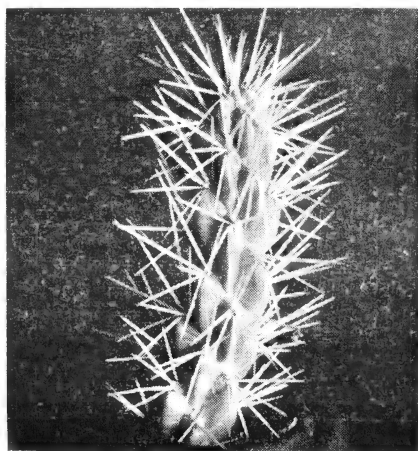
OPUNTIA

(Cylindrical and intermediate types)

Cuts only. 10c each unless otherwise stated. Cuts of all cacti must be kept dry until rooted.

- O. acanthocarpa* var. Spines dark brown, red to yellow flowers. Ariz.
O. alcabes. Lower Calif. White spines. Fls. green-yellow.
O. bigelovi. The golden spined *cholla*. Except where desired for color scheme not desirable. Dangerous with its barbed spines and easily detached joints
 Plants 35c
O. bulbaspina 35c
O. calmalliana. Lower Calif. Slender; spine sheaths yellow.
O. cholla. Lower Calif. Fls. deep purple. Brown sheathed spines.
O. ciribe. Lower Calif. Similar to *bigelovi* but less spiny.
O. clavata. Rough spines, yellow flowers. N. Mexico.
O. congesta. Sonora. Slender, long spines with gold sheaths. Striking.
O. cylindrica. Ecuador. Green, imbricate tubercles; fls. scarlet.
O. davisii. Texas. Golden spines; fls. yellow.
O. echinocarpa. Calif. "Silver and Gold Cholla."

- O. (*Tephrocactus*) *floccosa*. Peru-Bolivia. "Polar Bear Cactus." Hardy. Globular to cylindric stems hidden by silky hair through which protrude yellow spines. Fls. yellow. Cuts 15c
- O. *fulgida*. Arizona.
- O. *glomerata* (*Tephrocactus papryacanthus*) (*diademata*). Argentina. Has gray, paper spines on gray green globes. Fls. white. Rooted Cuts 15c
- O. (*grusonia*) *hamiltoniae* 25c to 50c
- O. *invicta*. Beautiful broad white spines, rare, unusual. Plant 75c
- O. *imbricata*. Colo. to Central Mexico. When kept properly trimmed this green, tree-like cactus is very ornamental. Fls. purple.
- O. *kleiniae*. Texas. Slender; long yellow spines.
- O. *kunzei* 25c
- O. *leptocaulis*. S. W. U. S. Slender easily detachable joints. Has lovely red fruit that give the plant the appearance of a holly bush.
- O. (*Tephrocactus*) *lagopus*. Beautiful S. Amer. covered with yellow wool. Plants 35c to \$1.00
- O. *mammillata*. Very tubercled. Arizona.
- O. *elata ovata cespitose*. Yellowish green. Argentina.
- O. *parrishi*. S. Calif. and Ariz. A creeping, clavate plant. The new growth in the spring is very beautiful. Numerous flat, white spines.
- O. *parryi*. Light brown wool. Yellow spines. Yellow fls. Cal.
- O. *prolifera*. San Diego. Vicious cholla with easily detached joints.
- O. (*grusonia*) *rosarica* 25c to 50c
- O. *salmiana*. Brazil, Paraguay, Argentina. Slender, purplish stems. Fls. pale yellow to white. Fruits scarlet, persistent, proliferous. Charming.
- O. *serpentina*. Prostrate, yellowish brown spines, greenish yellow fls. San Diego.
- O. *spinosior*. Ariz. Short spines, gray to brownish. Fls. purple, pink, yellow, white.
- O. *subulata*. Argentina. Different from any native *Opuntia*. Round stems, pronounced, long, conic leaves.
- O. *teres*. S. Amer. Attractive crimson fls.
- O. *tesajo*. Lower Calif. Slender; long sheathed spines.
- O. *tunicata*. Central Mexico, Ecuador, Peru, Chili. Very beautiful with white, sheathed spines (sometimes dark red, brown).



Opuntia tunicata
Shining White spines

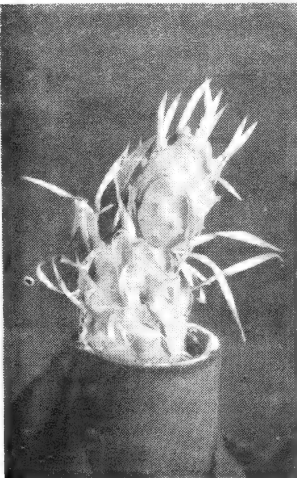
- O. vestita*. S. Amer. Slender stems covered with soft, white hairs. New growth has long, narrow, terete leaves. Rare. Cuts.....10c; Rooted plants 25c
O. vilis. Miniature tree-like. Fine for bowls. Plant.....10c
O. vivipara. Bluish green, yellow wool. Purplish flowers. Ariz.
O. weberii. Densely spined, yellow flowers. Argentina.
O. (grusonia) wrightiana.....25c to 50c

OPUNTIA

(Platyopuntia or flat branched types)

Cuts at 10c each unless otherwise stated. Keep dry till rooted.

- O. aciculata*. Texas. Covered with many auburn glochids. Fls. of surpassing beauty. Cuts.....15c
O. aurantiaca. Semi cylindric. Long spines. S. Amer.
O. aurea. Utah to Calif. Hardy. Yellow and apricot fls.
O. basilaris. Calif. The Beaver Tail. A lovely plant varying color from grey green to soft purple. Matte finish. Magenta bloomer plants.....15c to \$1.00
O. basilaris brachyclada. An anomalous form of *O. basilaris*.
O. boldinghi. Curacao to N. S. Amer. Few short, brown spines. Fls. rose.
O. bondata. Smooth, blue, thick pads. Spineless.....15c



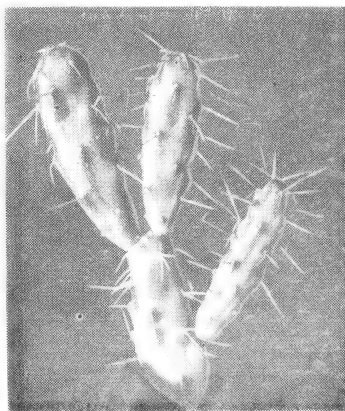
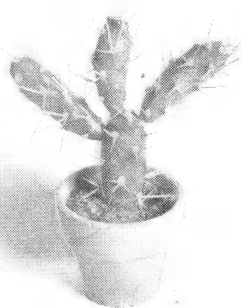
Tephrocactus glomerata



Opuntia braziliensis

- O. brasiliensis*. Brazil, Paraguay, Peru, Argentina, Bolivia. A very fine, thin leaved, green *Opuntia* with a central trunk. Its form and its waxen-yellow fls. make it a desirable pot plant.
O. commondensis. Rare50c
O. decumbens. Mex. to Guatemala. Prostrate. Dark spot at each areole.
O. dillenii. S. Carolina to Cuba. Yellow spines and fls.
O. drummondii. Prostrate, brownish red spines. Flowers yellow. Fla.
O. elata-obovata. Paraguay. A lovely dark green, smooth surfaced plant with a few long spines. Flower of an apricot shade. Unusual.
O. engelmannii. Arizona.
O. erinacea. Ariz. to Calif. "The Grizzly Bear." Long, numerous, soft, thin spines giving it a hairy look. Fls. magenta to yellow. Cuts 10c, plants.....25c to \$1.00
O. ficus indicus. Common, spineless.

- O. galapageia*. Yellowish brown spines, flowers yellow. Galapagos Islands\$1.00
- O. grahamii*. Young spines white, turning brown. Texas
- O. grandiflora*. Texas. Few spines. Large, yellow fls. with red centers. Cuts20c
- O. beerfeldti*.
- O. hyptiacantha*. Oaxaca. Spines white, fls. red.
- O. knuthiana*. (Cuba).
- O. laevis*. Large lemon yellow flowers tinged with red. Ariz.
- O. leucotricha*. A very large stately variety with short, pure white, hair-like spines.
- O. linguiformis*. The peculiar cow's tongue cactus of Texas.
- O. microdasys*. N. Mexico. Covered with tiny, golden yellow glochids looking like velvet but dangerously deceptive. Small ones perfect in bowls. variety *alba*, pure white, velvety and can be handled with impunity. Plants25c and 35c
- O. milspaughii* (Consolea).25c
- O. monacantha* (*vulgaris*). Brazil. Thin pads with long, dark spines.
- O. monacantha variegata*. The best seller because of its unusual marbled mosaic of color and design.
- O. moniliformis* (Consolea *baitiensis*). Few yellowish spines. Fls. yellow to orange. Pads 4 in. by 25 in. forms a tree. Beautiful. 35c up
- O. pilifera*.
- O. pollardii*. N. C. to Miss. Prostrate, glaucous. Fls. yellow.
- O. pusilla* 25c
- O. pycnantha*. Creeping, spines yellow, from Magdalena Is., Lower Calif.50c
- O. pycnantha var. margaritana*. Same, but with brownish red spines, and from Margarita Island. Both very fine and rare50c
- O. guimillo*20c
- O. rafinesque* (*opuntia*). Hardy. Small green pads. Grows erect in summer but becomes procumbent in fall so that snow will not break it.
- O. retrorsa*. Argentina. A very charming dark green, shining, sprawling *Opuntia*. Each spine seems to cast a long purple shadow. The joints are flat but very thick and nearly round.

*Opuntia retrorsa**Opuntia aurantiaca*

- O. robustus*. "Dinnerplate." Large, round bluish pads.
- O. rufida*. Texas and Mexico. Like *microdasys* but the spines are auburn and more widely spaced. A perfect harmony of color are those rich hues on a dark, green ground.
- O. santa-rita*. Arizona. Purplish pads in winter. Sage green in growing season. Flowers golden yellow, large as water lily.
- O. scheeri*. Mexico. Almost covered with yellow, hair-like spines. Fls. yellow. Handsome. Cuts.....15c
- O. scheeri*. White spines. Rare25c
- O. soederstrominia*
- O. sulphurea*. Argentina. Strikingly handsome. Cuts.
- O. velutina*. Pads pubescent.

OREOCEREUS

Wooly, columnar South American *Cerei*, sometimes mistaken for the "Old Man Cactus."

- Oreocereus celsianus*. Bolivia. Brownish spines, long, wooly hairs on top.....25c to \$2.50
- O. fossulatus*. Argentina. Long, white wool and long yellow spines. A fine *Cereus*.....50c to \$5.00
- O. trolli*. The hairiest of the three *Oreocereus* listed here. Exceptionally beautiful.....25c to \$2.50

PACHYCEREUS

- P. marginatus*. Mexico. "Organ Cactus." Smooth, green columns, usually 4 to 7 ribs with small spines regularly spaced on them. Used as hedges in Mexico\$1.00 to \$10.00
- P. pecten-aboriginum*. Mexico giant.....\$1.00
- P. pringlei*. Lower Calif. and Mexico. Similar to the *Carnegiea gigantea* but slenderer when young. One of the very largest cacti.....\$1.00 to \$2.00
- Parodia*. S. Amer. genus of great interest and beauty of spine and flower.
- P. aureispina*. Golden spines, yellow flowers.....20c to \$1.00
- P. chrysacanthion*. Straight, golden spines.....35c to 50c
- P. maassi*. Orange brown curved spines. 3 in.\$1.00
- P. nivosa*. White spines with red flowers. Gft.\$2.00
- Peniocereus greggi*. The strange night bloomer of the S. W. Enormous tuberous roots; slender, ribbed stems; big, white fls. Grows in shade.....\$1.00

PERESKIA

Pereskia are the first form in evolution from other plants to Cacti. Cuts only for sale, easily rooted.

- P. godseffiana*. The most beautiful one in coloring of the leaves. Supposed to have been a sport and to have originated in Australia. A fine hot house plant. Plants 50c
- P. pereskia (aculeata)*. Tropical Amer. A vine looking like a bougainvillea but a true Cactus. Very sweet, creamy, waxen fls. Rapid grower. Cuts, 10c; plants.....20c
- P. sacharosa*. Cuts.....10c

The *Pereskioopsis* are the second step in evolution in Cacti.

- Pereskioopsis chapisttle*. Branching with fleshy leaves and yellow flowers and red fruit. Mexico. Cuts.....25c
- P. deguttii*. Cuts.....50c
- P. porterii*. Lower Calif. and Mexico. Waxen yellow blooms, orange fruit, thick leaves, sprawling. Cuts.....20c
- Rathbunia Alamosensis*. *Cereus* like plant from Alamos, Mex. Red fls. Large, flowering size.....\$1.00

REBUTIA

Rebutias are small, free blooming, easily grown jewels from South America. They usually have short, soft spines and the brilliant fls. curving up from the lower part of the plant.

<i>Rhipsalis cereuscula</i> . New and Old World Tropics. "The Rice Cactus." An unusual plant good for hanging baskets.....	15c to 50c
<i>R. boulettiana</i>	25c to 50c
<i>R. pentaptera</i>	25c to 50c
Allied plants:	
<i>Hatiora salicornioides</i> (<i>Hariota</i>). Hanging basket plant	15c to 50c
<i>Lepidisperma cruciforme</i>	50c

SELENICEREUS

The *Selenicerei* are slender climbers. The flowers are white and some varieties are as large as a dinner plant. Nocturnal.

<i>S. grandiflorus</i> . Mexico. Handsome, fragrant fls.....	50c
<i>S. hamatus</i> (<i>rostratus</i>). Mexico. A curious one that looks as if it were growing upside down. Blooms very beautiful and fragrant.....	25c to \$1.00
<i>S. macdonaldiae</i> . Uruguay. Lovely big blooms.....	15c to 50c
<i>S. murillii</i>	25c
<i>S. nelsonii</i>	\$1.00
<i>S. pteranthus</i> . Mexico. Large fls. with delicate fragrance. One of the very best. Bluish green to purple stems	25c to 50c
<i>S. spinulosus</i>	35c
<i>S. vagans</i> . Mexico. Slender, climbing.....	15c to 35c

STENOCACTUS

An interesting Mexican genus, the plants have numerous ribs (from 10 to 122) usually wavy. Require calcareous soil.

<i>Stenocactus anfractuosus</i> . About 35 ribs. S. 25c.....	\$1.00
<i>S. bicolor</i> . Flat spines; ribs 33. S.....	25c
<i>S. carneus</i> . Few long spines; ribs 34. S.	25c
<i>S. coptonogonus</i> . S.	25c
<i>S. crispatus</i> . Spines light. Ribs about 25; fls. purple. S.....	25c
<i>S. flavispinus</i> . Long, light spines; ribs 30. S. 25c.....	\$1.00
<i>S. grandicornis</i> . Ribs 34 to 35. Fls. whitish purple. S.....	25c
<i>S. longispinus</i>	\$1.00
<i>S. ochoterenaus</i> . Dark gray spines; ribs 34. S. 25c.....	\$1.00
<i>S. pentacanthus</i> . Ribs 25 to 50; fls. deep violet. S. 25c.....	\$1.00
<i>S. phyllacanthus</i> . Ribs 30 to 35. Fls. yellowish. S. 25c	\$1.00
<i>S. robustus</i> . Few heavy spines; ribs 35. S. 25c.....	\$1.00
<i>S. vaupelianus</i> . White radials, brown spines; ribs 50. S. 25c.....	\$1.00
<i>Stetsonia corync.</i> One of the most striking of S. Amer. cacti. 4" up.....	50c up

THELOCACTUS

Globular with rather inconspicuous ribs and fine flowers.

<i>T. longispina</i>	50c to \$1.00
<i>T. phymatothele</i>	\$1.00
<i>T. porrectus</i> . Mex. Ribs rounded. Spines brown	35c to \$1.00
<i>T. rinconensis</i>	\$1.00

TRICHOCEREUS

<i>T. bridgesi</i> . Bolivia. Hardy to 30 F. Stems green; few spines, yellow; fls. white	50c
<i>T. candicans</i> . Argentina. Low heavy heads. Yellow spines. Large white fls.	\$1.00
<i>T. chiloensis</i> . Chile. Dark green; heavy gray spines	\$1
<i>T. huascha</i> . (Now often classed as <i>Lobivia</i>). Argentina. Short spines; low grower; fls. yellow or red. Rare	50c to 75c
<i>T. lamprochlorous</i> . Argentina. Forms dense clusters; bright green; yellow spines; fine white fls.	50c to \$2.50
<i>T. macrogonus</i> . Few rounded ribs; long spines; fl. buds covered with black wool. Fls. white	50c to \$1.00
<i>T. pachanoi</i> . Ecuador. Rounded, smooth, green ribs. Short spines. White fls. Very good	50c to \$1.00
<i>T. pasacana</i> . Argentina and Bolivia. Hardy. Grows very large. In higher altitudes has white spines and wool; in lower brown spines only	25c to \$1.00
<i>T. schickendantzi</i> . Argentina. Low grower forming dense clumps. Fls. large, white	15c to \$1.50
<i>T. shaferi</i> . Argentina. Low, columnar, forming offsets. Fls. white	35c
<i>T. spachianus</i> . Fast grower, yellow spines, day bloomer	15c to \$1.00
<i>Weberocereus biolleyi</i> . Long slender climbing branches, pinkish flower. Costa Rica	\$1.00
<i>Werckleocereus tonduzi</i> . In greenhouse cultivation, plants are remarkably floriferous. Costa Rica	\$1.00
<i>Wilcoxia senilis</i> . Mexico. Small, hairy plant looking like slender "Old Man." Grafted	50c to \$1.00

ZYGOCACTUS and SCHLUMBERGERA

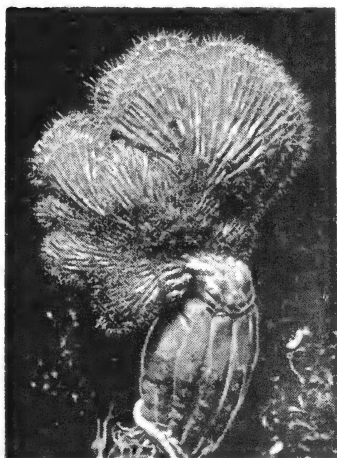
Zygocactus and *Schlumbergera*. (Crab Cactus) The *Zygocactus* differ from the *Schlumbergera* by having irregular fls. and broader petals. Following are grafted.

<i>Schlumbergera gaertneri</i> (Easter Cactus). Scarlet fls.	50c to \$1
<i>S. russeliana</i> (Easter Cactus). Scarlet fls.	50c to \$1.00
<i>Zygocactus bicolor</i> . Red and white flowers	50c to \$1.00
<i>Z. delicatus</i> . Fls. white. Rare. Nov. and Dec. flowering	\$1.00
<i>Z. le vesuv.</i> Dec. and Jan. violet	\$1.00
<i>Z. Mme. Chatney</i> (Thanksgiving cactus). Nov. salmon fls.	50c, 75c, \$1.00
<i>Z. roseus amabilis</i> . Red fls. Nov.	\$1.00
<i>Z. truncatus</i> . Brazil. Xmas Cactus. Dec. Magenta fls. Dry roots	25c to \$1.00

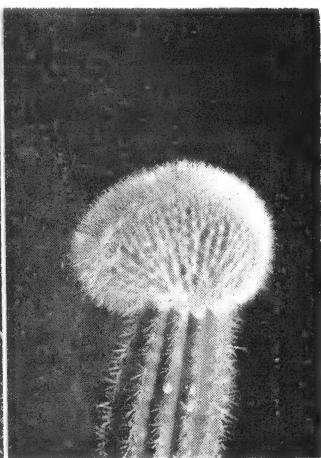
CACTUS

The following are grafted unless otherwise stated.

<i>Cephalocereus alensis</i>	\$3.00
<i>C. palmeri</i>	\$2.50
<i>C. polygonus</i>	\$5.00
<i>C. senilis</i> . Rarely crests	\$5.00
<i>Chamaecereus sylvestrii</i>	\$1.00
<i>Cleistocactus baumanii</i>	\$1.00
<i>C. strausii</i>	\$2.50



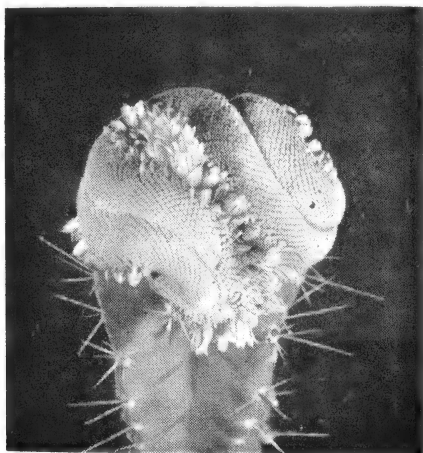
Echinopsis multiplex
Grafted



Grafted Crest *cleistocactus*
strausii

<i>Coryphantha erecta</i>	\$1.00
<i>Echinocereus berlandieri</i> . Texas	\$1.00
<i>E. chloranthus</i> . Texas. White woolly when grown under glass	\$1.00
<i>E. pentalophus</i>	\$1.00
<i>E. reichenbachii</i>	\$1.00
<i>Echinopsis multiplex</i> . Grafted or own roots	\$1.00
<i>E. multiplex variegata</i> . Very rare	\$5.00
<i>E. oxygonia</i> . Brazil	75c to \$2.00
<i>Espositoa lanata</i> . Very attractive	\$2.00 to \$3.00
<i>Ferocactus viridescens</i> . Own roots. Rare	\$1.50 and \$3.00
<i>Hickenia microsperma</i>	\$1.00
<i>Lobivia pentlandi elegans variegata</i>	\$2.50
<i>Mammillaria celsiana</i>	\$1.50
<i>M. chionocephala</i> . Fine	\$1.00 to \$2.00
<i>M. compressa</i> . Own roots. Fine	\$1.00 to \$3.00
<i>M. elegans</i>	\$1.00 to \$2.00
<i>M. fera rubra</i>	\$2.50
<i>M. geminispina</i>	\$1.00
<i>M. bahiana</i> . Good	\$2.50
<i>M. karwinskiana</i>	\$2.00
<i>M. microbeliopsis</i>	\$1.00 to \$3.00
<i>M. parkinsonii</i>	\$1.00 to \$2.50
<i>M. perbella</i>	\$1.00
<i>M. wildii</i>	75c to \$1.50
<i>Neoporteria reichi</i>	\$1.00
<i>Notocactus leninghausii</i>	\$2.50
<i>N. scopa</i> . Soft white spines. One of best	\$1.00 to \$5.00
<i>N. submammulosus</i>	\$1.00
<i>N. tabularis</i>	\$1.00
<i>Nyctocereus serpentinus</i> . Own roots	\$1.00

<i>Opuntia floccosa</i> . Hairy	\$1.00
<i>O. mamillata</i> . Own roots	25c to \$1.00
<i>O. vestita</i>	\$1.00 to \$2.00
<i>Solisia pectinata</i> . Mexico. White appressed spines. Fine.	

Grafted Crest of *Salisia pectinata*

Produces double rows of gem-like flowers.....	\$1.50
<i>Stenocactus vaupellii</i> . Fine.....	1.50 to \$2.50
<i>Thelocactus bicolor</i>	\$1.00 to \$2.00
<i>Trichocereus candida</i>	\$1.00

SUCCULENTS

CRISTATES

<i>Aeonium arborescens</i>	50c
<i>A. arborescens</i> var. <i>atropurpurea</i> . Beautiful	50c, \$1.00
<i>A. tournifortii</i>	50c
<i>Echeveria crenulata</i> . Good.....	50c, \$1.00
<i>Euphorbia lactea</i> . Small grafted, 75c; large specimen	\$2.50 to \$10.00
<i>E. nerifolia variegata cristata</i> . One of the rarest <i>Euphorbia</i> crests, grafted	\$2.00
<i>Pachyveria schiedeckerii</i>	15c to 35c
<i>Sedum praealtum</i>	15c to 35c
<i>Stapelia Caroli Schmidtii</i>	25c to 50c
<i>Urbinia agavoides</i>	50c

CRISTATES

<i>Aeonium arborescens</i>	50c
<i>A. arborescens</i> var. <i>atropurpurea</i> . Beautiful, large plants.	50c, \$1.00
<i>A. tournifortii</i>	50c
<i>Echeveria crenulata</i>	50c and \$1.00
<i>Euphorbia lactea</i> . Small	75c
Specimen grafted or own root, 4-in. up to 15-in.	\$2.50, \$5.00, \$7.50, \$10.00
<i>E. nerifolia variegata cristata</i> . One of the rarest and most attractive crests, grafted	\$2.00 and \$3.00
<i>Pachyphveria schiedeckerii</i>	15c to 35c
<i>Sedum praealtum</i>	15c and 25c
<i>Sedum treleasei</i> (Blue)	50c
<i>Urbinia agavoides</i>	50c
<i>Chamaecereus sylvestrii</i>	\$1.00
<i>Cleistocactus baumanii</i>	\$1.00 to \$2.00
<i>Cleistocactus strausii</i>	\$2.50
<i>Coryphantha erecta</i>	\$1.00
<i>E. chloranthus</i> . Texas. White wooly spines when grown under glass	\$1.00
<i>Echinopsis multiplex</i> . Grafted or own roots	\$1.00
<i>E. multiplex variegata</i> . Very rare. Grafted	\$5.00
<i>E. oxygona</i> . Brazil. Grafted	75c to \$2.00
<i>E. tubiflora</i> . Argentina. Grafted	\$1.00 to \$2.00
<i>Espostoa lanata</i>	\$2.00 to \$3.00
<i>Hickenia microsperma</i>	\$1.00
<i>L. Pentlandi elegans variegata</i>	\$2.50
<i>Mammalaria celsiana</i>	\$1.00 to \$2.50
<i>M. chinocephala</i>	\$1.00
<i>M. compressa</i> . Mexico. White spines	\$1.00
<i>M. elegans</i>	\$1.00 to \$2.00
<i>M. fera rubra</i>	\$2.50
<i>M. geminispina</i>	\$1.00 to \$3.00
<i>M. bahniiana</i>	\$2.50
<i>M. bidalgensis</i>	\$1.00
<i>M. karwinskiana</i>	\$1.00 to \$2.00
<i>Notocactus scopia</i> . Soft white spines. One of the best	\$1.00 to \$5.00
<i>N. submammulosus</i>	\$1.00
<i>Nyctocereus serpentinus</i>	\$1.00 up
<i>O. floccosa</i>	\$1.00
<i>O. mamillata</i>	\$1.00
<i>O. prolifera</i>	50c
<i>O. vestita</i>	\$1.00 to \$2.50
<i>Rebutia miniscula</i>	\$1.00
<i>R. senilis</i>	\$1.00
<i>Solisia pectinata</i> . Mexico. White appressed spines	\$1.00



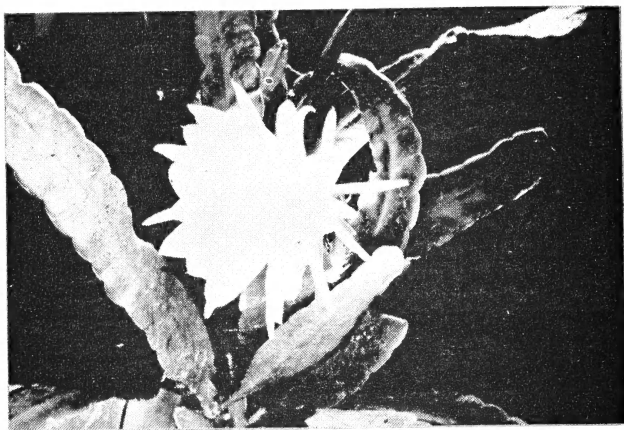
TYPICAL GRAFTED CRESTS

Left to right, upper row:

Notocactus scopa, *Thelocactus bolansis*,
Echinopsis multiplex

Left to right, lower row:

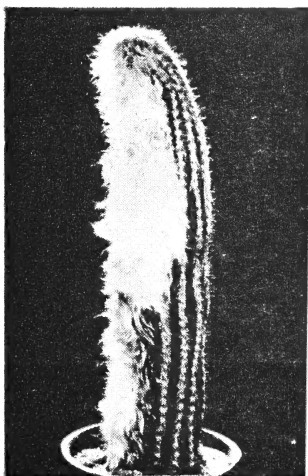
Echinocereus bonkeri, *Opuntia cylindrica*,
Echinocereus reichenbachii



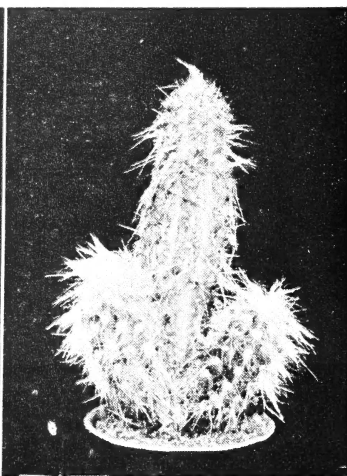
Epiphyllum pfersdorffii



Hoya carnosa



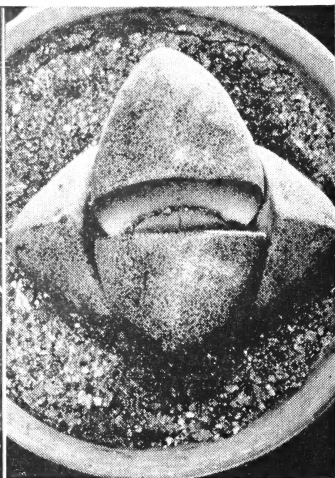
Cephalocereus alensis
(*leucocephalus*)



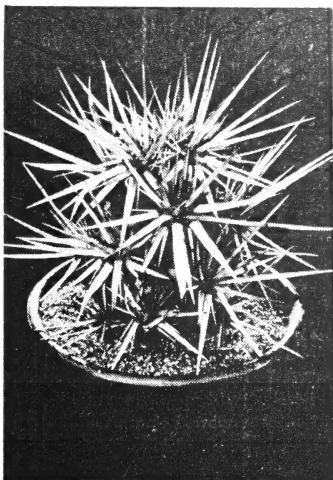
Oreocereus fossulatus



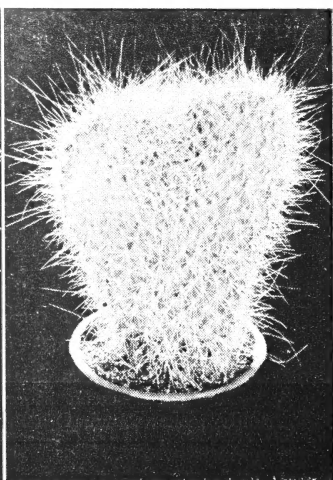
Aptenia cordifolia



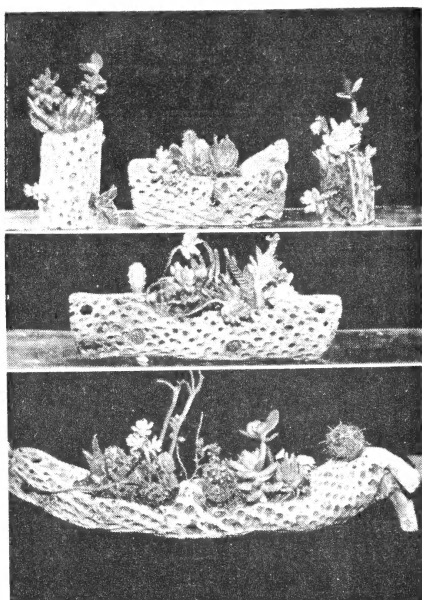
Pleiospolis bolusi



Opuntia invicta



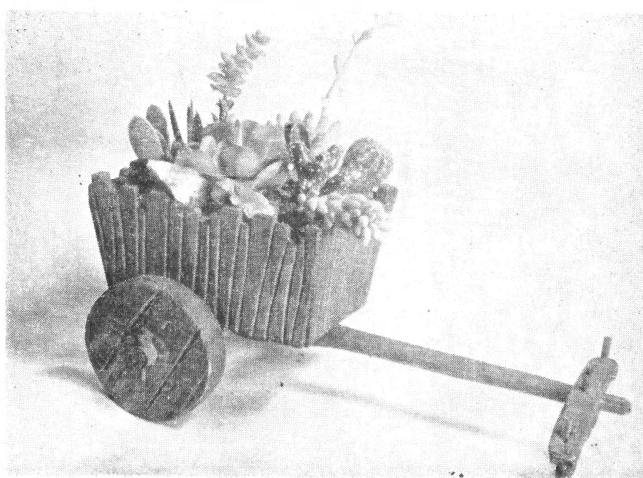
Opuntia erinacea cristata



Cactus Wood Baskets planted with suitable Cacti and Other Succulents. (Illustrated above).

3-inch Upright (upper left).....	35c
(Weight when packed for mailing 1 lb.)	
6-inch Horizontal (upper center).....	50c
(Weight when packed for mailing 1 lb.)	
3-inch Upright (upper right).....	25c
(Weight when packed for mailing 1 lb.)	
10-inch (center).....	75c
(Weight when packed for mailing 2 lbs.)	
16-inch (lower).....	\$1.25
(Weight when packed for mailing 4 lbs.)	

The above prices do not include postage, which differs according to the zone distance from San Diego. Consult your Postmaster.



Cart Well planted. Postpaid in U.S.A.\$1.50